

NASA-TM-87514

3 1176 01354 1454

NASA-TM-87514 19860003756

Index to NASA News Releases and Speeches 1984

LIBRARY COPY

FEB 21 1986

LANGLEY RESEARCH CENTER
LIBRARY, NASA
HAMPTON, VIRGINIA

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Index to NASA News Releases and Speeches 1984

March 1985

Index to NASA News Releases and Speeches 1984

**An index to selected speeches and news releases
issued by NASA Headquarters during 1984.**

**This index was prepared by the NASA Scientific and
Technical Information Facility operated for the
National Aeronautics and Space Administration by
PRC Government Information Systems.**

INTRODUCTION

This issue of the *Index to NASA News Releases and Speeches* contains a listing of news releases distributed by the Office of Public Affairs, NASA Headquarters, and a selected listing of speeches presented by members of the Headquarters staff during 1984. This *Index* supplements the previous issues that were identified as *Index to NASA News Releases and Speeches 1963-1966*, and the Supplements for 1967 through 1983.

The *Index* is arranged in six sections -- Subject Index, Personal Names Index, News Release Number Index, Accession Number Index, Speeches, and New Releases.

Section 1 (Subject Index) contains subject headings arranged alphabetically that describe the contents of the items indexed. Under each heading, the user will find references, as applicable, to Speeches (05 for Section 5) and News Releases (06 for Section 6) containing information on that subject entry, and in many cases, cross-references to related subject headings.

An example of an entry from the Subject Index follows:

SUBJECT
HEADING → **ACOUSTIC CONTAINERLESS EXPER. SYSTEM**
TITLE → **ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE**
[NASA RELEASE-84-4] P84-10004 06
NASA RELEASE
NUMBER → ACCESSION NUMBER
SEE SECTION 06
FOR ADDITIONAL
INFORMATION

Two types of cross-references are used:

- A) S for 'SEE' directs the user to a subject heading where references can be found, e.g.,

COMSAT
S COMMUNICATIONS SATELLITE CORP.

- B) SA for 'SEE ALSO' directs the user to related subject headings where additional references may be found, e.g.,

COMMUNICATION SATELLITES
SA TELESAT SATELLITES

Section 2 (Personal Names Index) contains personal names arranged alphabetically that identify the persons mentioned in the items indexed or, in the cases of speeches, the persons that made the speeches.

An example of an entry from the Personal Names Index follows:

PERSONAL
NAME → **BLUFORD, GUION S., JR.**
TITLE → **NASA NAMES THREE MEMBERS OF 51-K CREW**
[NASA RELEASE-84-23] P84-10023 06
NASA RELEASE NUMBER → ACCESSION NUMBER
SEE SECTION 06
FOR ADDITIONAL
INFORMATION

As indicated in the examples, each index entry in Sections 1 and 2 contains the title, accession number, and reference section.

Section 3 (News Release Number Index) lists all numbered NASA News Releases in numerical order with the corresponding accession numbers. An example of the News Release Number Index follows:

NASA
RELEASE NUMBER → NASA RELEASE-84-1..... P84-10001 06

SEE SECTION 06
FOR ADDITIONAL
INFORMATION

ACCESSION
NUMBER

Section 4 (Accession Number Index) lists all items by accession number in numerical order with the corresponding reference section (05 for Speeches, 06 for News Releases), in which the item is described in detail, and the news release number, if any.

An example of the Accession Number Index follows:

ACCESSION
NUMBER → P84-10001 06..... NASA RELEASE-84-1

SEE SECTION 06
FOR ADDITIONAL
INFORMATION

NASA
RELEASE NUMBER

Section 5 (Speeches) lists the speeches indexed in this publication, arranged in accession number order. Each entry contains the title of speech, speaker, date of release, and other reference information.

An example of an entry from the Speeches listing follows:

ACCESSION
NUMBER → P84-10030

TITLE → SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS

AUTHOR → BEGGS, JAMES MONTGOMERY

3 FEB. 1984 14P

NUMBER OF
PAGES

DATE OF
RELEASE

Section 6 (News Releases) lists the news releases, press briefings, news conference transcripts, and other public information releases indexed in this publication, arranged in accession number order. Each news release item contains the title, date of release, News Release Number (if any), and other reference information.

An example of an entry from the News Releases listing follows:

ACCESSION NUMBER → P84-10001

TITLE → SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING

DATE OF
RELEASE → 9 JAN. 1984

NASA RELEASE-84-1

2P

NUMBER OF
PAGES

NEWS RELEASE NUMBER

The contents of this index were printed by computer. This necessitates, in certain instances, the substitution of computer symbols for the more familiar printed symbols. These include the use of * for ', /Ques/ for ?, and - for :. The symbols < and > immediately before and after the title of the entry tell the user that the entry was originally untitled and that a title was created by the compilers of the index. Finally, in Section 2 -- the Personal Names Index -- the symbol + is used to identify speeches presented by the person under whose name they are indexed.

Copies of documents cited in this index are available to NASA offices on request from the NASA Scientific and Technical Information Facility, P.O. Box 8757, B.W.I. Airport, Maryland, 21240. Requests for copies of the index itself should be addressed to the Scientific and Technical Information Branch, Code NIT-1, National Aeronautics and Space Administration, Washington, D.C. 20546.

Table of Contents

SECTION	PAGE
1. SUBJECT INDEX	A-1
2. PERSONAL NAMES INDEX	B-1
3. NEWS RELEASE NUMBER INDEX	C-1
4. ACCESSION NUMBER INDEX	D-1
5. SPEECHES	E-1
6. NEWS RELEASES	F-1

SUBJECT INDEX

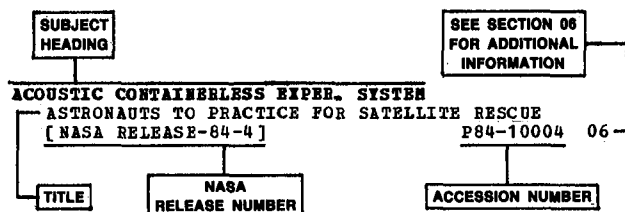
SECTION 1

INDEX TO NASA NEWS RELEASES AND SPEECHES

MARCH 1985

1984

Typical Subject Index Listing



The title of the news release or speech is used as the prime retrieval point. The accession number is located under and to the right of the title and is followed by a two-digit number which designates the reference section of the index containing the complete citation.

A

ABERDEEN UNIV., SCOTLAND

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ACADEMY OF SCIENCES, U.S.S.R.

STATEMENT BY JAMES R. MCCREISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

ACCELEROMETERS

NASA TO TEST INFIGHT REFUELING FOR SPACE SHUTTLE
FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

ACCEPTABILITY

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

ACCIDENTS

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

ACEE

S AIRCRAFT ENERGY EFFICIENCY PROGRAM

ACOUSTIC CONTAINERLESS EXPR. SYSTEM

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ACTIVE MAGNETOSPHERIC PARTICLE TRACER EXP.

AMPE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

ACUREX CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

AD-1 AIRCRAFT

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

ADENOSINE TRIPHOSPHATE

BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

ADENOSINES

S ADENOSINE TRIPHOSPHATE

ADHESIVES

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

ADMINISTRATIVE OPERATIONS

SA ORGANIZATION CHANGE

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
[NASA RELEASE-84-106] P84-10123 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

ADVANCED COMMUNICATIONS TECHNOLOGY SAT.

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

ADVANCED FIGHTER TECHNOLOGY INTEGRATION

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

ADVANCED TECHNOLOGY ADVISORY COM., NASA

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUBJECT

ADVANCED VERY HIGH RESOLUTION RADIONETER

SUBJECT INDEX

ADVANCED VERY HIGH RESOLUTION RADIONETER

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

ADVANCO CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

AEC

S DEPARTMENT OF ENERGY

AERIAL PHOTOGRAPHY

NASA CONDUCTS GYPSY MOth SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

AERODYNAMIC HEATING

SUGGESTED REMARKS: AERC CLUB OF WASHINGTON, D.C.
P84-10144 05

AERODYNAMIC TEST RANGE

S EDWARDS AFB, CALIF.

AERODYNAMICS

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
[NASA RELEASE-84-42] P84-10059 06

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

NASA TO PARTICIPATE IN CSHKCSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

AEROELASTICITY

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

AEROJET LIQUID ROCKET CO., SACRAMENTO, CA.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

AEROJET-GENERAL CORP.

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

AERONAUTICAL RESEARCH

SA STALL/SPIN RESEARCH

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAME TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

AEROSPACE INDUSTRY

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

AEROSPACE MEDICINE

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

AEROSPACE SAFETY ADVISORY PANEL

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

AFT CARGO CARRIERS

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

AGENCY FOR AEROS. PROGRAM, NETHERLANDS

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

AGREEMENTS

SA BILATERAL SPACE AGREEMENT, U.S.S.R./U.S.

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2
SATELLITE
[NASA RELEASE-84-116] P84-10133 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

NASA WILL RETRIEVE SECOND SATELLITE ON 51-A
SHUTTLE MISSION
[NASA RELEASE-84-136] P84-10191 06

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SUBJECT INDEX

AIRCRAFT HYDRO-FORMING, LOS ANGELES, CA.

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175] P84-10256 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

AGRICULTURE
UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

AIAA
S AMERICAN INST. OF AERON. AND ASTRONAUTICS

AIR FLOW
LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

AIR FORCE, U.S.
SA VANDENBERG AFB, CALIF.

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

AIR LOGISTIC COMMAND REPAIR FACILITY
STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

AIRBUS INDUSTRIE, BLAGNAC, FRANCE
SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

AIRCRAFT
SA AD-1 AIRCRAFT
SA BOEING 720 AIRCRAFT
SA BOEING 737 AIRCRAFT
SA BOEING 747 AIRCRAFT
SA C-130 AIRCRAFT
SA C-140 AIRCRAFT
SA DC-10 AIRCRAFT
SA ER-2 AIRCRAFT
SA F-8 AIRCRAFT
SA F-104 AIRCRAFT
SA GULFSTREAM 2 AIRCRAFT
SA HELICOPTERS
SA HYPERSONIC AIRCRAFT
SA L-1011 AIRCRAFT
SA LIGHT AIRCRAFT
SA RESEARCH AIRCRAFT
SA ROTARY WING AIRCRAFT
SA RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/
SA SHORT HAUL AIRCRAFT
SA SHUTTLE TRAINING AIRCRAFT

SA STOVL AIRCRAFT
SA SUBSONIC AIRCRAFT
SA SUPERSONIC AIRCRAFT
SA SUPERSONIC TRANSPORT
SA TRANSPORT AIRCRAFT
SA V/STOL AIRCRAFT
SA X-29 AIRCRAFT

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

AIRCRAFT CONFIGURATIONS
NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

AIRCRAFT CONSTRUCTION MATERIALS
NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

AIRCRAFT CONTROL
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

AIRCRAFT DESIGN
LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

AIRCRAFT ENERGY EFFICIENCY PROGRAM
NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

AIRCRAFT ENGINES
SA GENERAL AVIATION TURBINE ENGINES

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

AIRCRAFT HYDRO-FORMING, LOS ANGELES, CA.
STATEMENT OF WILLIAM R. LUCAS BEFORE THE

AIRCRAFT INDUSTRY

SUBJECT INDEX

SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

AIRCRAFT INDUSTRY
SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

AIRCRAFT PARTS
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

AIRCRAFT PERFORMANCE
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

AIRCRAFT SAFETY
NASA TO PARTICIPATE IN CSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

AIRCRAFT SPIN
SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

AIRCRAFT WINGS
SA FORWARD SWEEP WINGS
SA OBLIQUE WING

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

AIRFOILS
S AIRCRAFT WINGS
S WINGLETS
S WINGS

AIRFRAMES
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON AEROPROBATION, HOUSE OF REPRESENTATIVES P84-10140 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

AIRPORTS
S KANSAS CITY AIRPORT, MO.

AIRSPEED
SUGGESTED REMARKS: AFRC CLUB OF WASHINGTON, D.C. P84-10144 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

ALABAMA
ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. P84-10223 05

ALABAMA A. AND M. UNIV.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ALABAMA SPACE AND ROCKET CENTER
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ALABAMA UNIV.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ALIGNMENT
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING

[NASA RELEASE-84-67] P84-10084 06

ALLISON GAS TURBINE
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

ALLOYS
SA ALUMINUM ALLOYS

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

ALPHA LYRAE
IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

ALPHA PISCIS AUSTRINI
IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

ALTIMETER
S RADAR ALTIMETER

ALTITUDE
S FLIGHT ALTITUDE

ALUMINUM
NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

ALUMINUM ALLOYS
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

AMATEUR RADIO
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

AMERICAN ASTRONOMICAL SOCIETY
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

AMERICAN HELICOPTER SOC., NEW YORK
STATEMENT OF JOHN J. MARTIN BEFORE THE

SUBJECT INDEX

AMIK SATELLITES

SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

AMERICAN INST. OF AERON. AND ASTRONAUTICS
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

AMERICAN SATELLITE COMPANY
NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

AMERICAN SYNTHETIC RUBBER CO.
STATEMENT OF WILLIAM B. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

AMERICAN TELEPHONE AND TELEGRAPH CO.
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

AMES RESEARCH CENTER, MOFFETT FIELD, CA.
SA NATIONAL FULL-SCALE AERODYNAMIC COMPLEX

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH
CENTER
[NASA RELEASE-84-5] P84-10005 06

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FREY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

NEW EVIDENCE FOUND FOR HUGE VICINANCES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS

[NASA RELEASE-84-32] P84-10049 06

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

AMMONIUM PERCHLORATE
STATEMENT OF WILLIAM B. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

AMPHIBIA
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

AMPLIFIERS
NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS,
MISSOURI P84-10031 05

AMSAT
S RADIO AMATEUR SATELLITE CORP.

AMIK SATELLITES
NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

ANIMALS

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

ANIMALS

S AMPHIBIA

ANNA GEODETIC SATELLITE

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

ANNOUNCEMENT OF OPPORTUNITY

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

NASA TO FLY EDUCATOR ON SHUTTLE MISSION
[NASA RELEASE-84-122] P84-10177 06

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

ANTENNAS

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

ANTISATELLITE TECHNOLOGY

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

AO-C

S OSCAR SATELLITES

APOLLO COMMAND MODULE

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

APOLLO LUNAR EXPLORATION PROGRAM

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

APOLLO PROJECT

SA SATURN LAUNCH VEHICLE

SUGGESTED REMARKS: SAIZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

APOLLO SPACECRAFT

S APOLLO 8

SUBJECT INDEX

S APOLLO 11

APOLLO 8

MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

APOLLO 11

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20
[NASA RELEASE-84-99] P84-10116 06

APOLLO-SOYUZ TEST PROJECT

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

APPLICATIONS SATELLITES

S COMMUNICATION SATELLITES
S METEOROLOGICAL SATELLITES
S NAVIGATION SATELLITES

APPLICATIONS TECHNOLOGY SATELLITES

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

APPLIED PHYSICS LABORATORY

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

APPROPRIATIONS AND BUDGETS

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUBJECT INDEX

ASTEROIDS

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10166 05

STATEMENT BY JOHN W. BYRD BEFORE THE SUBCOMMITTEE
ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ARABSAT SATELLITES
NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

ARC
S AMES RESEARCH CENTER, MOFFETT FIELD, CA.

ARCHAEOLOGY
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

ARGOS DATA COLLECTION SYSTEM
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

ARIANE LAUNCH VEHICLE
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ARIANESPACE
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

ARIZONA STATE UNIV., TEMPE
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ARIZONA UNIV.
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

ARMY, U.S.
SUGGESTED REMARKS: ARMO CLUB OF WASHINGTON, D.C.
P84-10144 05

ART
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ARTHRITIS
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ARTIFICIAL INTELLIGENCE
SA EXPERT SYSTEMS

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

ASAHI NAT. BROADCAST. CO., TOKYO, JAPAN
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ASC SATELLITES
S COMMERCIAL SPACECRAFT

ASTEROIDS
SA LUCIA ASTEROID
SA NAMAQUA ASTEROID

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

ASTP

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05
 SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
 SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
 P84-10159 05
 SUGGESTED REMARKS: AIA SPRING CONFERENCE,
 WILLIAMSBURG, VA. P84-10162 05
 SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
 WASHINGTON, D.C. P84-10220 05
 NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
 [NASA RELEASE-84-178] P84-10259 06

ASTP

S APOLLO-SOYUZ TEST PROJECT

ASTRO HALLEY SCIENCE TEAM

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06

ASTRO MISSIONS

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
 SHUTTLE FLIGHTS
 [NASA RELEASE-84-71] P84-10088 06
 SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06
 ASTRO PAYLOAD SPECIALISTS SELECTED
 [NASA RELEASE-84-80] P84-10097 06
 PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
 [NASA RELEASE-84-88] P84-10105 06

ASTRONAUTICS

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
 CONSTRUCTION
 [NASA RELEASE-84-114] P84-10131 06
 SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
 CEREMONY, WASHINGTON, D.C. P84-10160 05

ASTRONAUTS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06
 NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06
 NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
 [NASA RELEASE-84-26] P84-10026 06
 SOLAR MAX REPAIR, DEEP DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06
 GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
 [NASA RELEASE-84-53] P84-10070 06
 ASTRONAUT T. J. HART TO LEAVE NASA
 [NASA RELEASE-84-59] P84-10076 06
 NASA SELECTS 17 ASTRONAUT CANDIDATES
 [NASA RELEASE-84-64] P84-10081 06
 DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
 [NASA RELEASE-84-69] P84-10086 06
 NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
 SHUTTLE FLIGHTS
 [NASA RELEASE-84-71] P84-10088 06
 CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
 [NASA RELEASE-84-76] P84-10093 06
 ASTRO PAYLOAD SPECIALISTS SELECTED
 [NASA RELEASE-84-80] P84-10097 06
 FIRST LUNAR LANDING 15 YEARS AGO
 [NASA RELEASE-84-96] P84-10113 06
 MATTHEW TO LEAVE ASTRONAUT CORPS FOR NAVY POST
 [NASA RELEASE-84-97] P84-10114 06
 APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20
 [NASA RELEASE-84-99] P84-10116 06

SUBJECT INDEX

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
 [NASA RELEASE-84-111] P84-10128 06
 ASTRONAUT WILLIAM B. LENOIR TO LEAVE NASA
 [NASA RELEASE-84-115] P84-10132 06
 STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, HOUSE OF
 REPRESENTATIVES P84-10140 05
 SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
 MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
 P84-10158 05
 DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
 [NASA RELEASE-84-117] P84-10172 06
 CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
 [NASA RELEASE-84-133] P84-10188 06
 NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27
 AND 28
 [NASA RELEASE-84-135] P84-10190 06
 SUGGESTED REMARKS: WHITE HOUSE EVENT
 P84-10207 05
 SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
 WASHINGTON, D.C. P84-10220 05
 SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
 ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
 ARLINGTON, VIRGINIA P84-10221 05
 DISCOVERY'S SECOND MISSION SCHEDULED
 [NASA RELEASE-84-149] P84-10229 06
 ASTRONAUT DON PETERSON TO LEAVE NASA
 [NASA RELEASE-84-157] P84-10238 06
 HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06
 51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
 STS 51-A PREFLIGHT CREW PRESS CONFERENCE
 P84-10268 05
 ASTRONOMERS
 NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
 [NASA RELEASE-84-30] P84-10047 06
 ASTRONOMICAL CATALOGS
 IRAS ASTRONOMICAL CATALOG AVAILABLE
 [NASA RELEASE-84-169] P84-10250 06
 ASTRONOMY
 SA INFRARED ASTRONOMY
 SA ULTRAVIOLET ASTRONOMY
 SA X-RAY ASTRONOMY
 SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
 MISSOURI P84-10031 05
 EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
 [NASA RELEASE-84-57] P84-10074 06
 SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06
 ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
 SCIENCE INSTITUTE
 [NASA RELEASE-84-73] P84-10090 06
 ASTRO PAYLOAD SPECIALISTS SELECTED
 [NASA RELEASE-84-80] P84-10097 06
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
 SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
 D.C. P84-10145 05
 UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
 P84-10155 05
 SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
 MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.

SUBJECT INDEX

AUSTRALIA

P84-10158 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR [NASA RELEASE-84-146] P84-10226 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

ASTROPHYSICS

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

ASTROTECH INTERNATIONAL

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

ATLANTIS

NASA NAMES THREE MEMBERS OF 51-K CREW [NASA RELEASE-84-23] P84-10023 06

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE FLIGHTS [NASA RELEASE-84-71] P84-10088 06

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: MANNEFLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA P84-10214 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

ATLAS LAUNCH VEHICLE

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE [NASA RELEASE-84-150] P84-10230 06

ATLAS-CENTAUR LAUNCH VEHICLES

FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9 [NASA RELEASE-84-62] P84-10079 06

ATLAS CENTAUR FAILURE REVIEW BOARD NAMED [NASA RELEASE-84-79] P84-10096 06

LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR FAILURE [NASA RELEASE-84-84] P84-10101 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

ATMOSPHERE

S EARTH ATMOSPHERE

S IONOSPHERE

S MAGNETOSPHERE

S TROPOPAUSE

S TURBULENCE

ATMOSPHERIC CHEMISTRY

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

ATMOSPHERIC PHYSICS

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-57] P84-10074 06

ATP

S ADENOSINE TRIPHOSPHATE

ATTITUDE

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION [NASA RELEASE-84-88] P84-10105 06

ATTITUDE CONTROL SYSTEMS

SA SATELLITE ATTITUDE CONTROL

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS [NASA RELEASE-84-31] P84-10048 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53] P84-10070 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM [NASA RELEASE-84-93] P84-10110 06

AUDIO-VISUAL MATERIALS

SA TELEVISION

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83] P84-10100 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS [NASA RELEASE-84-94] P84-10111 06

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

AURORAE

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

AUSTRALIA

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR

AUTOMATED SAMPLE RETURN

SUBJECT INDEX

NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

AUTOMATED SAMPLE RETURN

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

AUTOMOBILE ENGINES

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

AUTOMOTIVE GAS TURBINE TECHNOLOGY PROGRAM

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

AVCO CORP.

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

AVIONICS

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

AWARDS

SA CONTRACT AWARDS
SA SPACE ACT AWARD

BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH
CENTER
[NASA RELEASE-84-5] P84-10005 06

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE
CCEPDATE QUALITY
[NASA RELEASE-84-134] P84-10189 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

B

BACTERIA

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

BAKER FOUNDATION

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

BALL AEROSPACE SYSTEMS

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

BALLISTIC MISSILES

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

BALLOONS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

BARIUM CLOUDS

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

BATTERIES

SA REDOX BATTERIES

NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

BEARINGS

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

BELGIUM

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

BELL TELEPHONE LAB., INC.

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

BELLSOUTH SYSTEMS TECHNOLOGY, INC.

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

BENDIX CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

BENDIX FIELD ENG. CORP., COLUMBIA, MD.

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

BENDIX FIELD ENGINEERING CORP.

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

BETA PICTORIS

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

BILATERAL SPACE AGREEMENT, U.S.S.R./U.S.

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUBJECT INDEX

BIOTELEMETERS

BIOASTRONAUTICS

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

BIOCHEMISTRY

STATEMENT BY SHELEY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10202 05

BIOENGINEERING

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE MELICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10164 05

BIOGRAPHY

BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER
[NASA RELEASE-84-5] P84-10005 06

MARTIN HEADS AERONAUTICS AND SPACE TECHNOLOGY OFFICE
[NASA RELEASE-84-10] P84-10010 06

KRATOVL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
[NASA RELEASE-84-24] P84-10024 06

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

ASTRONAUT T. J. HART TO LEAVE NASA
[NASA RELEASE-84-59] P84-10076 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

DR. HANS MARK ACCEPTS NEW POST AT UNIVERSITY OF TEXAS SYSTEM
[NASA RELEASE-84-65] P84-10082 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

ASSOCIATE ADMINISTRATOR FOR SPACE FLIGHT APPOINTED
[NASA RELEASE-84-105] P84-10122 06

ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
[NASA RELEASE-84-106] P84-10123 06

ASTRONAUT WILLIAM E. LENCIE TO LEAVE NASA
[NASA RELEASE-84-115] P84-10132 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

TEMPLETON LEAVES NASA FOR WASHINGTON LAW OFFICE
[NASA RELEASE-84-156] P84-10237 06

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT DIVISION
[NASA RELEASE-84-166] P84-10247 06

JSC PUBLIC INFORMATION CHIEF TO RETIRE
[NASA RELEASE-84-168] P84-10249 06

BIOINSTRUMENTATION SA BIOTELEMETERS

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

BIOLOGICAL RESEARCH

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

BIOLOGY

S EMBRYOLOGY
S ENTOMOLOGY
S EVOLUTION
S GENETICS AND GROWTH

BIOMEDICAL RESEARCH

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND
P84-10262 05

BIOPROCESSING

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW YORK CITY
P84-10224 05

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

BIOSATELLITES

STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

BIOSCIENCE

S ENTOMOLOGY
S EXOECIOLOGY
S GENETICS AND GROWTH
S LIFE SCIENCES

BIOTECHNOLOGY

SA LIFE SUPPORT SYSTEMS

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND
P84-10262 05

BIOTELEMETERS

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND
P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

BLACK HOLES /ASTRONOMY/

SUBJECT INDEX

BLACK HOLES /ASTRONOMY/

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

BLOOD CELLS

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

BLOOD PRESSURE

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

BOEING AEROSPACE CO., SEATTLE, WASH.

NASA AWARDS CRITICAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

BOEING AIRCRAFT

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

BOEING CO.

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

BOEING COMPUTER SERVICES CO., VIENNA, VA.

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

BOEING 720 AIRCRAFT

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MCFFETT FIELD, CALIF.
P84-10219 05

BOEING 737 AIRCRAFT

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

BOEING 747 AIRCRAFT

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

BONES

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

BOOSTERS

S LAUNCH VEHICLES

BOW SHOCK

AMETE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

BOWELL COMET

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

BRAKES

STATEMENT BY JESSE W. MCCREY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF

REPRESENTATIVES P84-10168 05

BRAYTON SYSTEM

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

BRAZIL

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

BREATHING APPARATUS

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

BROWN AND ASSOC. MANAGEMENT SERVICES

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

BUDGETS

S APPROPRIATIONS AND BUDGETS

BULGARIA

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

BUREAU OF STANDARDS

S NATIONAL BUREAU OF STANDARDS

C

C-130 AIRCRAFT

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

C-140 AIRCRAFT

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

CALIBRATING

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

CALIFORNIA INST. OF TECHNOLOGY, PASADENA

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

CALIFORNIA UNIV., BERKELEY

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS

SUBJECT INDEX

CARDIOVASCULAR SYSTEM

[NASA RELEASE-84-110] P84-10127 06

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

CALIFORNIA UNIV., LOS ANGELES
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

CALIFORNIA UNIV., SAN DIEGO
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

CALIFORNIA UNIV., SAN FRANCISCO
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

CAMERAS
SA FAINT OBJECT CAMERA
SA PINHOLE CAMERAS
SA WIDE FIELD CAMERAS

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

CANADA
SA NATIONAL RESEARCH COUNCIL, CANADA

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

CANADIAN SATELLITES
S ANIK SATELLITES

CAPE CANAVERAL, FLA.
S KENNEDY SPACE CENTER, COCOA BEACH, FLA.

CAPE KENNEDY, FLA.
S KENNEDY SPACE CENTER, COCOA BEACH, FLA.

CARBON
MARSHALL CENTER TO CONDUCT PAM NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

CARBON DIOXIDE LASERS
S LASER DOPPLER VELOCIMETRY

CARDIOVASCULAR SYSTEM
U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON

CARGO AIRCRAFT

SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

CARGO AIRCRAFT
S KC-135 AIRCRAFT

CARNEGIE-MELLON UNIV., PITTSBURGH, PA.
NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

CATALOGS
S ASTRONOMICAL CATALOGS

CELANESE CORP.
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

CELLS
S CELLS /BIOLOGY/
S SOLAR CELLS

CELLS /BIOLOGY/
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

CENTAUR LAUNCH VEHICLE
SA ATLAS-CENTAUR LAUNCH VEHICLES

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

CENTER FOR SPACE POLICY, CAMBRIDGE, MASS.

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO LEAPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
YORK CITY P84-10224 05

CENTRAL RES. INST. FOR PHYSICS, HUNGARY

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

CENTRE NATL. D'ETUDES SPATIALES, FRANCE

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

SUBJECT INDEX

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

CERAMICS

NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

CEREMONIES

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

CHALLENGER

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SHUTTLE
MISSION
[NASA RELEASE-84-48] P84-10065 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO

SUBJECT INDEX

CLOUDS

P84-10263 05 [NASA RELEASE-84-124] P84-10179 06

CHARGE COUPLED DEVICE
 NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
 [NASA RELEASE-84-20] P84-10020 06

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
 [NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
 STAR
 [NASA RELEASE-84-146] P84-10226 06

CHARGED COMPOSITION EXPLORER SATELLITE
 ANTE LAUNCH SCHEDULED
 [NASA RELEASE-84-109] P84-10126 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
 CHRISTMAS DAY
 [NASA RELEASE-84-170] P84-10251 06

CHASE ECONOMETRICS ASSOCIATES, INC.
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

CHASE ECONOMETRICS GROUP
 SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
 COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

CHECKOUT
 NASA COMPLETES CHECKOUT; TUENS LANDSAT-5 OVER TO
 NOAA
 [NASA RELEASE-84-49] P84-10066 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
 [NASA RELEASE-84-133] P84-10188 06

CHEMICAL SYSTEMS FOR SPACE POWER
 S BATTERIES
 S SPACE POWER

CHEMISTRY
 SA BIOCHEMISTRY
 SA GEOCHEMISTRY
 SA ORGANIC CHEMISTRY

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
 [NASA RELEASE-84-82] P84-10099 06

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
 WASHINGTON, D.C. P84-10222 05

CHINA
 S PEOPLE'S REPUBLIC OF CHINA

CHINESE BROADCASTING SATELLITE CORP.
 CHINA DEPOSITS EARNST MONEY FOR SATELLITE LAUNCH
 SERVICES
 [NASA RELEASE-84-152] P84-10232 06

CHINESE PEOPLE'S REPUBLIC
 S PEOPLE'S REPUBLIC OF CHINA

CHROMATOGRAPHY
 FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
 [NASA RELEASE-84-82] P84-10099 06

CINEMA 360 CAMERA
 ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
 [NASA RELEASE-84-8] P84-10008 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06

CINEMA-360, INC.
 CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
 [NASA RELEASE-84-8] P84-10008 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
 CINEMA-360

CIRCADIAN RHYTHMS
 U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
 SOVIET SATELLITE
 [NASA RELEASE-84-17] P84-10017 06

CIRCULAR ORBIT
 ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA
 [NASA RELEASE-84-22] P84-10022 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10042 05

CIVIL AVIATION
 SA COMMERCIAL AVIATION

STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, HOUSE OF
 REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
 P84-10144 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
 CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
 WASHINGTON, D.C. P84-10225 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
 [NASA RELEASE-84-161] P84-10242 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
 [NASA RELEASE-84-165] P84-10246 06

CIVIL SPACE STATIONS, US FUT. IN SPACE
 SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
 JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
 P84-10261 05

CIVILIAN PASSENGERS
 STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, HOUSE OF
 REPRESENTATIVES P84-10140 05

NASA TO FLY EDUCATOR ON SHUTTLE MISSION
 [NASA RELEASE-84-122] P84-10177 06

CLASSIFIED INFORMATION
 SUGGESTED REMARKS: AIA SPRING CONFERENCE,
 WILLIAMSBURG, VA. P84-10162 05

CLEAR AIR TURBULENCE
 NEW RESEARCH ON CLEAR-AIR TURBULENCE
 [NASA RELEASE-84-165] P84-10246 06

CLIMATE
 STATEMENT BY SHELBY G. TILFORD BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10202 05

CLIMATOLOGY
 SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
 LOUIS P84-10030 05

CLOCKS
 ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
 [NASA RELEASE-84-93] P84-10110 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
 P84-10265 05

CLOUDS
 SA BARIUM CLOUDS
 SA HYDROGEN CLOUDS

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
 [NASA RELEASE-84-69] P84-10086 06

COAST GUARD, U.S.

SUBJECT INDEX

STATEMENT BY SEELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

COAST GUARD, U.S.

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

COATINGS

SA PROTECTIVE COATINGS
SA THERMAL CONTROL COATINGS

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

CODEX HAMMER

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

COLLIER'S MAGAZINE

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

COLOR PHOTOGRAPHY

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

COLORADO STATE UNIV., FORT COLLINS

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

COLORADO UNIV., BOULDER

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-86] P84-10105 06

COLUMBIA

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

COMBUSTION

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

COMET COMPOSITION

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET

[NASA RELEASE-84-72] P84-10089 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

COMET RENDEZVOUS SCIENCE WORKING GROUP

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

COMET RENDEZVOUS/ASTEROID FLYBY

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

COMET TAILS

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

COMETS

SA BOWELL COMET
SA CROMMELIN COMET
SA ENCKE COMET
SA GIACOBINI-ZINNER COMET
SA HALLEY'S COMET
SA KOPFF COMET

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

COMMAND MODULES

S APOLLO COMMAND MODULE

COMMAND SUBSYSTEMS

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

COMMERCE

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

COMMERCE BUSINESS DAILY

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

COMMERCIAL AVIATION

SA SUPERSONIC COMMERCIAL AIR TRANSPORT

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

COMMERCIAL COMMUNICATIONS SATELLITES

SA SBS SATELLITES
SA WESTAR SATELLITES

SUBJECT INDEX

COMPETITION

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

COMMERCIAL SPACE LAUNCH ACT

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

COMMERCIAL SPACE POLICY

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY
[NASA RELEASE-84-158] P84-10239 06

COMMERCIAL SPACECRAFT

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

COMMUNICATION NETWORKS

S PROGRAM SUPPORT COMMUNICATIONS NETWORK

COMMUNICATION SATELLITES

SA ANIK SATELLITES
SA ARAESAT SATELLITES
SA COMMERCIAL COMMUNICATIONS SATELLITES
SA GALAXY COMMUNICATION SATELLITES
SA INSAT-1
SA INTELSAT SATELLITES
SA OSCAR SATELLITES
SA PALAPA SATELLITES
SA SBS SATELLITES
SA SYNCOM SATELLITES
SA TELSTAR SATELLITES
SA WESTAR SATELLITES

SUGGESTED REMARKS: THE CENTEREE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

COMMUNICATIONS

SA MARITIME COMMUNICATIONS
SA RADIO COMMUNICATIONS
SA TELEPHONE COMMUNICATIONS
SA VOICE COMMUNICATION

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMMUNICATIONS AND DATA SYSTEMS ASSOC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

COMMUNICATIONS SATELLITE CORP.

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

COMMUNICATIONS SYSTEMS

S NASA COMMUNICATIONS NETWORK

COMPETITION

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

COMPOSITE MATERIALS

SUGGESTED REMARKS: AIA SEEING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

COMPOSITE MATERIALS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

MARSHALL CENTER TO CONDUCT FAN NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

COMPOSITE STRUCTURES

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

COMPRESSED TELEVISION TRANSMISSION

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

COMPUTATIONAL FLUID DYNAMICS

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

SUBJECT INDEX

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMPUTER AIDED DESIGN

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

COMPUTER CONTROLLED WALKING

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMPUTER GRAPHICS

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

COMPUTER PROGRAMS

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMPUTER SCIENCES CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

COMPUTER SOFTWARE MGT. AND INFORM. CTR.

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMPUTER TECHNIQUES

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

COMPUTER TECHNOLOGY ASSOC., INC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

COMPUTER VOICE

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

COMPUTERIZED SIMULATION

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMPUTERS

SA CRAY COMPUTERS
SA DATA PROCESSING
SA SUPERCOMPUTERS

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUBJECT INDEX

CONTRACT AWARDS

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY DESIGN
[NASA RELEASE-84-162] P84-10243 06

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

COMSAT GENERAL CORP.
S COMMUNICATIONS SATELLITE CORP.

CONFERENCES

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

NASA/RECON USES CONFERENCE SET FOR SEPTEMBER 27 AND 28
[NASA RELEASE-84-135] P84-10190 06

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C.
P84-10220 05

CONGRESSIONAL REPORTS

STATEMENT BY WILLIAM A. ANDRES BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10134 05

STATEMENT OF DONALD P. EARTH BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10135 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10136 05

STATEMENT BY JESSE W. MCCOY BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10138 05

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10164 05

STATEMENT OF ROBERT C. ALLEN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10165 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10166 05

STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10167 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10168 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10170 05

CONSERVATION

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

CONSTRUCTION

S CONSTRUCTION OF FACILITIES

CONSTRUCTION OF FACILITIES

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NASA BUDGET PRESS CONFERENCE
P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE
P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10041 05

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10042 05

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
P84-10140 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10170 05

NASA SELECTS USBI FOR SRB ASSEMBLY AND REFURISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

CONTRACT AWARDS

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10039 05

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

LEWIS CENTER AWARDS CONTRACT FOR TWO SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

CONTRACT DURATION

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

CONTRACT DURATION
CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

NASA SELECTS USBI FOR SRE ASSEMBLY AND REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

NASA SELECTS BEING COMPUTER SERVICES FOR COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

CONTRACT NEGOTIATIONS
NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL DELTA PROGRAM
[NASA RELEASE-84-2] P84-10002 06

STATEMENT OF JAMES A. ABRAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

NASA SELECTS USBI FOR SRE ASSEMBLY AND REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

NASA SELECTS BEING COMPUTER SERVICES FOR COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

CONTRACT PROPOSALS
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

CONTRACT SPECIFICATIONS
STS 51-L SATELLITE RETRIEVAL BRIEFING P84-10267 05

CONTRACTING AND PROCUREMENT
SA INCENTIVE CONTRACTS

STATEMENT OF JAMES A. ABRAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

CHINA DEPOSITS EARNEST MONEY FOR SATELLITE LAUNCH SERVICES
[NASA RELEASE-84-152] P84-10232 06

SUBJECT INDEX

CONTROL CONFIGURED VEHICLES
STATEMENT OF DONALD P. HEARTH BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10135 05

CONTROL SYSTEMS
SA AIRCRAFT CONTROL
SA ATTITUDE CONTROL SYSTEMS
SA DIGITAL FLY-BY-WIRE PROJECT
SA ENVIRONMENTAL CONTROL
SA TEMPERATURE CONTROL

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

COOLING
NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE YEAR
[NASA RELEASE-84-87] P84-10104 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

COOPERATION
S INDUSTRIAL COOPERATION
S INTERAGENCY COOPERATION
S INTERNATIONAL COOPERATION
S SCHOLASTIC COOPERATION

CORNELL UNIV., N.Y.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

CORONAGRAPHS
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

CORONAS
S STELLAR CORONAS

COSMIC
S COMPUTER SOFTWARE MGT. AND INFORM. CTR.

COSMIC DUST
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR PCLAR MISSION
[NASA RELEASE-84-127] P84-10182 06

COSMIC RAYS
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

COSMOCHEMISTRY
RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

SUBJECT INDEX

CRYOGENIC EQUIPMENT

COSMOLOGY

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: AFFILIATED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

COSMONAUTS

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

COSMOS SATELLITES

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

COSPAS

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

STATEMENT BY JAMES R. MCRISSON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

COST ESTIMATES

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

COST REDUCTION

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAKE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

COUNCIL OF CHIEF STATE SCHOOL OFFICERS

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

COUNCIL OF STATE SCIENCE SUPERVISORS

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

COUNTER-ROTATING PROPELLERS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

CRACKS

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

CRASH HAZARD

S AIRCRAFT SAFETY

CRAY COMPUTERS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

CRAY RESEARCH, INC., MINN.

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

CREW SYSTEMS DIVISION

S JOHNSON SPACE CENTER, HOUSTON, TEX.

CROMMELIN COMET

NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
[NASA RELEASE-84-30] P84-10047 06

CROP DUSTING

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

CRUSTAL DYNAMICS PROJECT, NASA

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

CRYOGENIC EQUIPMENT

NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR CNE

CRYOGENICS

SUBJECT INDEX

YEAR
[NASA RELEASE-84-87] P84-10104 06

CRYOGENICS
SUGGESTED REMARKS: HONCE AWARDS CEREMONY, AMES RESEARCH CENTER, MCFFETT FIELD, CALIF. P84-10219 05

CRYSTAL GROWTH
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE
[NASA RELEASE-84-14] P84-10014 06
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
SUGGESTED REMARKS: METEORICITAN CLUB, WASHINGTON, D.C. P84-10145 05
SUGGESTED REMARKS: TOUCHE BOSS BREAKFAST SERIES P84-10146 05
UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05
ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05
SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06
NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05
DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06
SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05
51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

CRYSTALS
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05
SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

CURTISS-WRIGHT CORP.
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

D

DALMO VICTOR CO.
STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

DATA ACQUISITION AND ANALYSIS
S NATIONAL SPACE SCIENCE DATA CENTER, GSFC

S TRACKING AND DATA ACQUISITION

DATA BASES
NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27 AND 28
[NASA RELEASE-84-135] P84-10190 06
TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06
STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05
STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

DATA LINKS
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

DATA MANAGEMENT
NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

DATA PROCESSING
SA SIGNAL PROCESSING
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05
NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM
[NASA RELEASE-84-103] P84-10120 06
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

DATA SYSTEMS
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

DATA TRANSMISSION
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

DAVIS PLANETARIUM, JACKSON, MISS.
CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06
41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

DC-10 AIRCRAFT
NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

DEEP SPACE NETWORK
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05
ANITE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05
STATEMENT OF EILLIE J. MCGARVEY BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND

SUBJECT INDEX

DEPARTMENT OF TRANSPORTATION

MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JEL, WASHINGTON, D.C. P84-10215 05

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

DEFENSE, DEPARTMENT OF
S DEPARTMENT OF DEFENSE

DEFOLIATION
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

DECING
NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

DELTA LAUNCH VEHICLES
NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL
DELTA PROGRAM
[NASA RELEASE-84-2] P84-10002 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

AMTPE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

DELTA TRANSFER STAGE
STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

DENVER RESEARCH INSTITUTE
SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

DEPARTMENT OF AGRICULTURE
S FOREST SERVICE, U.S.

DEPARTMENT OF COMMERCE
S NATIONAL BUREAU OF STANDARDS
S NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DEPARTMENT OF DEFENSE
SA DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED
SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

DEPARTMENT OF EDUCATION
NASA TO FLY EDUCATOR ON SHUTTLE MISSION
[NASA RELEASE-84-122] P84-10177 06

DEPARTMENT OF ENERGY
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

DEPARTMENT OF INTERIOR
S GEOLOGICAL SURVEY, U.S.

DEPARTMENT OF SPACE, INDIA
PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE
[NASA RELEASE-84-137] P84-10192 06

DEPARTMENT OF STATE
NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

DEPARTMENT OF TRANSPORTATION
SA FEDERAL AVIATION ADMINISTRATION
SA NATIONAL TRANSPORTATION SAFETY BOARD

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

ENTREPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

DESERTS

SUBJECT INDEX

DESERTS

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DESIGN CRITERIA

S AIRCRAFT DESIGN
S SATELLITE CONFIGURATIONS
S SPACECRAFT CONFIGURATIONS
S SPACECRAFT DESIGN

DETECTORS

SA RADIATION DETECTORS

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

DIABETES AND KIDNEY DISEASES

STATEMENT OF DONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

DIAMONDS

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

DIESEL ENGINES

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

DIET

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

DIGITAL CODING

S DATA PROCESSING

DIGITAL FLY-BY-WIRE PROJECT

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

DIGITAL WIND TUNNELS

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

DIRECT BROADCAST SATELLITES

CHINA DEPOSITS EARNEST MONEY FOR SATELLITE LAUNCH
SERVICES
[NASA RELEASE-84-152] P84-10232 06

DISCOVERY

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SHUTTLE MISSION 41-D LAUNCH DATE ADJUSTED
[NASA RELEASE-84-46] P84-10063 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

SUGGESTED REMARKS: COFECATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

DISEASES

SA ARTHRITIS

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

DISPOSAL OF PROPERTY

STATEMENT OF S. NEIL ROSENBALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10171 05

DISTRICT OF COLUMBIA

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

DOCKING

S GEMINI PROJECT
S SPACE DOCKING

DOD

S DEPARTMENT OF DEFENSE

DOE

S DEPARTMENT OF ENERGY

DOPPLER SHIFT

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

DORNIER-SYSTEM G.M.B.H., GERMANY

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DOSIMETRY

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

DOSTER CONSTRUCT. CO., BIRMINGHAM, ALA.

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION
DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

DOT

S DEPARTMENT OF TRANSPORTATION

SUBJECT INDEX

EARTH OBSERVING SYSTEMS

DOUGLAS AIRCRAFT CO., INC.

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

DRAG REDUCTION

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAKE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

DRAINAGE

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

DREXEL UNIV., PHILADELPHIA, PA.

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

DRUGS

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

DRYDEN FLIGHT RESEARCH CENTER, CALIF.

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
[NASA RELEASE-84-42] P84-10059 06

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MCFFETT FIELD, CALIF.
P84-10219 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

DSN

S DEEP SPACE NETWORK

DU PONT DE NEMOURS /E.I./ AND CO., INC.

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

DUST

SA COSMIC DUST

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

DWARF STARS

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

DYNAMICS EXPLORER SATELLITES

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

E

EAGLE ENGINEERING, INC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

EARTH ATMOSPHERE

SA LONOSPHERE
SA MAGNETOSPHERE
SA THERMOPAUSE
SA UPPER ATMOSPHERE

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

EARTH CRUST

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

EARTH OBSERVATION MISSION EXPERIMENTS

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

EARTH OBSERVATIONS /FROM SPACE/

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L
[NASA RELEASE-84-69] P84-10086 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

EARTH OBSERVING SYSTEMS

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND

EARTH RADIATION BUDGET

SUBJECT INDEX

ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

STATEMENT BY SHELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

EARTH RADIATION BUDGET
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

EARTH RADIATION BUDGET EXPERIMENT
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

EARTH RADIATION BUDGET SATELLITE SYSTEM
SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

STATEMENT BY SHELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: MANEED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

EARTH RESOURCES
SA VEGETATION

STATEMENT BY SHELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

EARTH RESOURCES TECHNOLOGY SATELLITES
S LANDSAT SATELLITES

EARTH SURFACE
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

EARTH SYSTEM SCIENCE COMMITTEE
S NASA ADVISORY COUNCIL

EARTH TERMINALS
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

EARTHQUAKES
NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY P84-10069 06
[NASA RELEASE-84-52]

EASTERN SPACE AND MISSILE CTR., FLA.
NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

EATON CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

EBASCO SERVICES, INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

ECONOMIC DEVELOPMENT
SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: MORTON THIokol MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

ECONOMIC IMPACT
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: MORTON THIokol MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

EDUCATION
SA NATIONAL SCIENCE TEACHERS ASSOC.

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SUBJECT INDEX

ELECTROPHORESIS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: MOPICK THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

EDUCATIONAL PROGRAMS
SA UNIVERSITY PROGRAMS

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

EDUCATIONAL TELEVISION
NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

EDUCATORS
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA TO FLY EDUCATOR ON SHUTTLE MISSION
[NASA RELEASE-84-122] P84-10177 06

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

EDWARDS AFB, CALIF.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

BEGGS
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

EGIPT
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

EINSTEIN OBSERVATORY
S HEAD-2

ELECTRIC POWER GENERATION
NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

NASA SETS UP SPACE STATIC DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

ELECTRICAL EQUIPMENT
NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM

[NASA RELEASE-84-103] P84-10120 06

ELECTRODYNAMICS
NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

ELECTROMAGNETIC RADIATION
S EXTREME UV RADIATION
S FAR INFRARED RADIATION
S GAMMA RAYS
S INFRARED RADIATION
S RADIO WAVES

ELECTROMAGNETIC SERVICES CO.
ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

ELECTROMAGNETIC SPECTRA
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

ELECTRONIC EQUIPMENT
GODDARD TEAM SAVES THE DAY FOR SCAR MAX
[NASA RELEASE-84-53] P84-10070 06

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ELECTRONICS
S MICROELECTRONICS

ELECTROPHORESIS
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

ELLIPTICAL ORBIT

SUBJECT INDEX

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW YORK CITY P84-10224 05

NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147] P84-10227 06

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

ELLIPTICAL ORBIT
STATEMENT OF ROBERT O. ALIER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

EMBRYOLOGY
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82] P84-10099 06

EMERGENCIES
NASA AND CNES AGREE TO COOPERATE IN SHUTTLE EMERGENCY SUPPORT [NASA RELEASE-84-126] P84-10181 06

EMERGENCY LOCATOR TRANSMITTERS
INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223 LIVES [NASA RELEASE-84-81] P84-10098 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE [NASA RELEASE-84-150] P84-10230 06

EMERGENCY POS. INDICATING RADIO BEACONS
INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223 LIVES [NASA RELEASE-84-81] P84-10098 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

EMPLOYEE SUGGESTION PROGRAM, NASA
NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

EMPLOYMENT EQUALITY
STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10167 05

ENCKE COMET
PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION [NASA RELEASE-84-88] P84-10105 06

ENCODER
S DATA PROCESSING

ENERGY CONVERSION
NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM [NASA RELEASE-84-103] P84-10120 06

ENERGY STORAGE
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO P84-10118 06

ENGINE DESIGN
SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

ENGINE TECHNOLOGY
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

ENGINEERS
SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE YEAR AWARDS BANQUET P84-10035 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT GROUP, POINT CLEAR, ALA. P84-10154 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

ENGINES
S AIRCRAFT ENGINES
S DIESEL ENGINES
S GAS TURBINE ENGINES
S GENERAL AVIATION TURBINE ENGINES
S ROCKET ENGINES
S ROTARY ENGINES
S SPACE SHUTTLE MAIN ENGINE
S TURBINE ENGINES
S UPPER STAGE ROCKET ENGINES

ENTERPRISE
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS [NASA RELEASE-84-9] P84-10009 06

ENTOMOLOGY
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82] P84-10099 06

ENVIRONMENTAL CONTROL
NASA SETS UP SPACE STATION DEVELOPMENT TEAMS [NASA RELEASE-84-31] P84-10048 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES [NASA RELEASE-84-85] P84-10102 06

ENVIRONMENTAL CONTROL SYSTEM
X-29 SCHEDULED FOR MAIDEN FLIGHT [NASA RELEASE-84-164] P84-10245 06

ENVIRONMENTAL MONITORING
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE [NASA RELEASE-84-150] P84-10230 06

ENVIRONMENTAL PROTECTION AGENCY
SA AUTOMOTIVE GAS TURBINE TECHNOLOGY PROGRAM

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING [NASA RELEASE-84-1] P84-10001 06

EPA
S ENVIRONMENTAL PROTECTION AGENCY

EQUIPMENT
S CRYOGENIC EQUIPMENT
S ELECTRICAL EQUIPMENT
S ELECTRONIC EQUIPMENT
S FLIGHT EQUIPMENT
S MEDICAL EQUIPMENT

EQUIPMENT FAILURE
SA INSTRUMENT FAILURE

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE [NASA RELEASE-84-116] P84-10133 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF

SUBJECT INDEX

EXOBIOLOGY

REPRESENTATIVES	P84-10140	05	REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C.	P84-10142	05
STS 51-A PREFLIGHT CREW PRESS CONFERENCE	P84-10268	05	SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y.	P84-10143	05
BB-2 AIRCRAFT			SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.	P84-10151	05
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST [NASA RELEASE-84-91]	P84-10108	06	SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.	P84-10158	05
RELANGEN UNIV., GERMANY			SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C.	P84-10163	05
NASA TO COOPERATE IN COMET SIGHTING REHEARSAL [NASA RELEASE-84-30]	P84-10047	06	ULYSSES NEW NAME FOR INTERNATIONAL SOLAR PLAR MISSION		
EETS			[NASA RELEASE-84-127]	P84-10182	06
S LANISAT SATELLITES			CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133]	P84-10188	06
ESA SATELLITES			TWENTY YEARS OF NASA/ESA COOPERATION [NASA RELEASE-84-139]	P84-10194	06
S AURCHAE			STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10202	05
ESRO			SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE COMMITTEE ON JPL, WASHINGTON, D.C.	P84-10215	05
S EUROPEAN SPACE AGENCY			SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C.	P84-10217	05
ESSEX CORP.			SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C.	P84-10222	05
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159]	P84-10240	06	SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY	P84-10224	05
ET			IRAS ASTRONOMICAL CATALOG AVAILABLE [NASA RELEASE-84-169]	P84-10250	06
S EXTERNAL TALK			SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO	P84-10263	05
ETHNIC FACTORS			EUROPEAN SPACE RESEARCH ORGANIZATION		
SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN HERITAGE WEEK, NASA HEADQUARTERS	P84-10141	05	S EUROPEAN SPACE AGENCY		
EUROPE			EUVE /EXTREME ULTRAVIOLET EXPLORER/ NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND [NASA RELEASE-84-125]	P84-10180	06
SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS	P84-10147	05	HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179]	P84-10260	06
ROTARY CLUB OF WASHINGTON, D.C.	P84-10156	05	EVA		
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C.	P84-10217	05	S EXTRAVEHICULAR ACTIVITY		
ENTERPRISE TO LEAPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153]	P84-10223	05	EVOLUTION		
EUROPEAN SPACE AGENCY			BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVCLUTION [NASA RELEASE-84-121]	P84-10176	06
SUGGESTED REMARKS: WORLD AFFAIRS CCOUNCIL OF ST. LOUIS	P84-10030	05	EXHIBITS		
FISCAL YEAR 1985 BUDGET PRESS BRIEFING	P84-10032	05	SA HANOVER TRADE FAIR, HANNOVER, W. GER.		
SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C.	P84-10033	05	SA LOUISIANA WORLD EXPOSITION		
STATEMENT OF JAMES M. BIGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE	P84-10038	05	SA WORLDS FAIR		
STATEMENT OF JAMES A. AERAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10039	05	NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION [NASA RELEASE-84-92]	P84-10109	06
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10040	05	SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM	P84-10208	05
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10042	05	EXOBIOLOGY		
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET [NASA RELEASE-84-72]	P84-10089	06	SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38]	P84-10055	06
PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION [NASA RELEASE-84-88]	P84-10105	06			
STATEMENT OF JAMES M. BIGGS BEFORE THE SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES	P84-10140	05			

EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/

SUBJECT INDEX

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C. P84-10152 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STATEMENT BY JAMES R. MCFISCEN BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

EXPENDABLE LAUNCH VEHICLES
STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

EXPERIMENTAL AIRCRAFT ASSOCIATION
NASA TO PARTICIPATE IN CSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

EXPERT SYSTEMS
STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

EXPLORER SCIENTIFIC SATELLITES
SA CHARGED COMMISSION EXPLORER SATELLITE
SA DYNAMICS EXPLORER SATELLITES
SA BUVE /EXTREME ULTRAVIOLET EXPLORER/

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE PROBE
[NASA RELEASE-84-140] P84-10195 06

EXTERNAL TASK
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

EXTRATERRESTRIAL MATERIALS
SA LUNAR SAMPLES

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: METEORICITAN CLUB, WASHINGTON, D.C. P84-10145 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

EXTRAVEHICULAR ACTIVITY
SA SPACE MAINTENANCE

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB MISSION
[NASA RELEASE-84-13] P84-10013 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

EXTREME UV RADIATION
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

F

F-8 AIRCRAFT
NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY DESIGN
[NASA RELEASE-84-162] P84-10243 06

F-104 AIRCRAFT
SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

FAA
S FEDERAL AVIATION ADMINISTRATION

FABRICATION
NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

FACILITIES
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

SUBJECT INDEX

FLIGHT EQUIPMENT

FAILURE INVESTIGATION

ATLAS CENTAUR FAILURE REVIEW BOARD NAMED
[NASA RELEASE-84-79] P84-10096 06

LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR
FAILURE
[NASA RELEASE-84-84] P84-10101 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

PAINT OBJECT CAMERA

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

FAIRCHILD INDUSTRIES, GERMANTOWN, MD.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

FAIRCHILD INDUSTRIES, INC.

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

FAIRCHILD WESTON SYS., SYOSSET, N.Y.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SOLAR MAX REPAIR, IDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

FAR INFRARED RADIATION

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

FEATURE IDENTIFICATION AND LOCATION EXPER.

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

FEDERAL AVIATION ADMINISTRATION

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

FEDERAL EMERGENCY MANAGEMENT AGENCY

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

FEDERAL FINANCING BANK, WASHINGTON, D.C.

STATEMENT OF ROBERT C. ALLEN BEFORE THE

SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

FEDERAL REPUBLIC OF GERMANY S WEST GERMANY

FIBER OPTICS

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE

P84-10268 05

FILAMENT WINDING

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

FINLAND

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

FIRE PROTECTION

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

FIREFIGHTING

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

FIREPROOFING

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

FIRES

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

FISHES

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

FLAME RETARDANTS

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

FLIGHT ALTITUDE

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

FLIGHT CONTROL

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

FLIGHT EQUIPMENT

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

FLIGHT RATE /SPACE SHUTTLES/

SUBJECT INDEX

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

FLIGHT RATE /SPACE SHUTTLES/

STATEMENT BY JESSE W. MCCRE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

SUGGESTED REMARKS: SAIZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
S DRYDEN FLIGHT RESEARCH CENTER, CALIF.

FLIGHT SAFETY

STATEMENT BY JESSE W. MCCRE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

FLIGHT SCHEDULES /SPACE SHUTTLES/

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

FLIGHT SIMULATION

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

FLIGHT SIMULATORS

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MCFETI FIELD, CALIF.
P84-10219 05

FLIGHT SUPPORT SYSTEM

SOLAR MAX REPAIR, IDEF DEFICENCY HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

FLIGHT TESTS

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
[NASA RELEASE-84-42] P84-10059 06

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

FLOW CHARACTERISTICS

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
AFFECT TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

FLUID FLOW

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

FLUID MECHANICS

SA AERODYNAMICS

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

FLUOR CORPORATION

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

FLY-BY-WIRE SYSTEM

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

FLYBY MISSIONS

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

FOAMS

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

FOMALHAUT (ALPHA PSA) STAR

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

FORD AEROSPACE AND COMMUNICATIONS CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

NASA SELECTS BORING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

FOREST SERVICE, U.S.

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

FORESTRY

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

FORWARD SWEEP WINGS

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

FRANCE

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

SUBJECT INDEX

GALILEO PROJECT

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: COMBATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

STATEMENT BY THOMAS E. MCUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

FREQUENCY BANDS
S SUPERHIGH FREQUENCIES

FREQUENCY MODULATION
S TELEMETRY

FREQUENCY RESPONSE
S DOPPLER SHIFT

FREQUENCY REUSE
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

FRICTION
LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

FUEL CELLS
S BATTERIES

FUEL CONSERVATION
NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AFEC COUNCIL OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

FUEL SYSTEMS
SA EXTERNAL TANK

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

FUEL TANK
S EXTERNAL TANK

FUELS
S KEROSENE
S PROPELLANTS

FURNACE SYSTEMS
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

FUSELAGES
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

G

GA TECHNOLOGIES, INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

GALACTIC RADIATION
ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

GALAXIES
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

GALAXY COMMUNICATION SATELLITES
NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

GALILEO PROJECT
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

GAMMA RAY OBSERVATORY

SUBJECT INDEX

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JEL, WASHINGTON, D.C. P84-10215 05

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

GAMMA RAY OBSERVATORY

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

GAMMA RAYS

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

GANNETT FOUNDATION, ROCHESTER, N.Y.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

GARRETT CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

GAS TURBINE ENGINES

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

GASES

S INTERSTELLAR GAS

GEMINI PROJECT

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

GENERAL AVIATION

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA TO PARTICIPATE IN CSHKSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

GENERAL AVIATION TURBINE ENGINES

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

GENERAL DYNAMICS CORP.

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

GENERAL DYNAMICS/CONVAIR, SAN DIEGO, CA.

LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

GENERAL ELECTRIC CO.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

GENERAL MOTORS CORP.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, PCINT CLEAR, ALA. P84-10154 05

GENERAL SERVICES ADMINISTRATION

STATEMENT OF S. NEIL HOSENBALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10171 05

GENETICS

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

GENETICS AND GROWTH

SA RIBONUCLEIC ACID

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

GEOCHEMISTRY

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

GEODESY

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

GEODETTIC SATELLITES

S ANNA GEODETTIC SATELLITE

SUBJECT INDEX

GODDARD SPACE FLIGHT CTR., GREENBELT, MD.

GEODYNAMICS

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

GEOLOGICAL SURVEY, U.S.

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

GEOLOGY

S GEOCHEMISTRY
S GEODYNAMICS
S GEOPHYSICS
S LITHOSPHERE
S TECTONICS

GEOMAGNETIC FIELD

SA MAGNETOSPHERE

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

GEOPHYSICS

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

GEOPOTENTIAL RESEARCH MISSION

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

GEORGE C. MARSHALL SPACE FLIGHT CENTER

S MARSHALL SPACE FLIGHT CENTER, ALA.

GEORGIA UNIV.

S COMPUTER SOFTWARE MGT. AND INFORM. CTR.

GEOSTATIONARY ORBIT

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

GEOSYNCHRONOUS CREDIT

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

GEO-TROPISM

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

GERMAN SPACE OPER. CTR., GEREFFAFFENHOFEN

AMPTC LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

GETAWAY SPECIALS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF

REPRESENTATIVES

P84-10205 05

GIACOBINI-ZINNER COMET

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

GIOTTO MISSION

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

GLOBAL HABITABILITY PROGRAM

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

GLOBAL POSITIONING SYSTEM

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

GLOBULAR CLUSTERS

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

GLOW

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

GODDARD SPACE FLIGHT CTR., GREENBELT, MD.

SA NATIONAL SPACE SCIENCE DATA CENTER, GSFC

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NOAA
[NASA RELEASE-84-49] P84-10066 06

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

GRANTS

SUBJECT INDEX

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE YEAR
[NASA RELEASE-84-87] P84-10104 06

NASA TO PARTICIPATE IN CSKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE PROBE
[NASA RELEASE-84-140] P84-10195 06

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

GRANTS

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

GRAVITATIONAL EFFECTS

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

GRAVITATIONAL FIELDS

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

GRAVITY

S LOW GRAVITY

S WEIGHTLESSNESS

GRID SYSTEMS, INC.

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

GROOVES

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY CAUSE TURBULENCE

[NASA RELEASE-84-3] P84-10003 06

GROSS NATIONAL PRODUCT

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT GROUP, POINT CLEAR, ALA. P84-10154 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

GROUND STATIONS

SA EARTH TERMINALS

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY
[NASA RELEASE-84-52] P84-10069 06

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

GROUND SUPPORT EQUIPMENT

S TRACKING AND DATA ACQUISITION

GRUMMAN AEROSPACE CORP.

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

GSA

S GENERAL SERVICES ADMINISTRATION

GSFC

S GODDARD SPACE FLIGHT CTR., GREENBELT, MD.

GTE BUSINESS COMMUNICATIONS SYS., INC.

NASA SELECTS BOEING COMPUTER SERVICES FOR COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

GTE LABORATORIES INC., WALTHAM, MASS.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

GULF OF MEXICO

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUBJECT INDEX

HONEYWELL, INC.

GULFSTREAM 2 AIRCRAFT
 NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
 NEGOTIATIONS
 [NASA RELEASE-84-32] P84-10049 06

GIROSCOPES
 GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
 [NASA RELEASE-84-53] P84-10070 06
 ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
 [NASA RELEASE-84-93] P84-10110 06

H

HANNEBMAN UNIV., PHILADELPHIA, PA.
 NASA SELECTS UNIVERSITIES FOR RESEARCH
 [NASA RELEASE-84-147] P84-10227 06

HAILEY'S COMET
 COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
 [NASA RELEASE-84-43] P84-10060 06
 NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
 SHUTTLE FLIGHTS
 [NASA RELEASE-84-71] P84-10088 06

SCIENTISTS SELECTED TO CELEBRATE HAILEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
 [NASA RELEASE-84-80] P84-10097 06

PIONEER CAN MAKE UNIQUE HAILEY'S COMET OBSERVATION
 [NASA RELEASE-84-88] P84-10105 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06

HAMILTON STANDARD
 STATEMENT OF JOHN J. MARTIN BEFORE THE
 SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
 MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10041 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
 NEGOTIATIONS
 [NASA RELEASE-84-32] P84-10049 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
 [NASA RELEASE-84-159] P84-10240 06

HANOVER TRADE FAIR, HANNOVER, W. GER.
 HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06

HAWAII
 NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
 [NASA RELEASE-84-18] P84-10018 06

HAZARDS
 ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION
 DOLLAR CONTRACT
 [NASA RELEASE-84-151] P84-10231 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
 [NASA RELEASE-84-165] P84-10246 06

HEADQUARTERS, NASA, WASHINGTON, D.C.
 CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
 [NASA RELEASE-84-8] P84-10008 06

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
 SPACE
 [NASA RELEASE-84-14] P84-10014 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA
 [NASA RELEASE-84-22] P84-10022 06

JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
 [NASA RELEASE-84-25] P84-10025 06

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
 EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
 P84-10208 05

HEAO /HIGH ENERGY ASTRONOMICAL OBS./
 S HEAO-2

HEAO-2
 NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
 [NASA RELEASE-84-70] P84-10087 06

HELICOPTERS
 SA RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/
 SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
 HONOR AWARDS CEREMONY, CLEVELAND, OHIO
 P84-10264 05

HELIOSPHERE
 ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
 MISSION
 [NASA RELEASE-84-127] P84-10182 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
 COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

HELMETS
 SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06

HERCULES AIRCRAFT
 S C-130 AIRCRAFT

HERCULES, INC.
 STATEMENT OF WILLIAM R. LUCAS BEFORE THE
 SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10136 05

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
 [NASA RELEASE-84-159] P84-10240 06

HEWLETT-PACKARD CO., PALO ALTO, CALIF.
 NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
 COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
 P84-10206 05

HIGH ENERGY ASTRONOMICAL OBSERVATORY
 S HEAO-2

HIGH RESOLUTION INFRARED RADIOMETER
 NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
 [NASA RELEASE-84-150] P84-10230 06

HIGH RESOLUTION PHOTOGRAPHY
 41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
 CINEMA-360
 [NASA RELEASE-84-124] P84-10179 06

HIGH TEMPERATURE TUNNEL
 STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
 THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
 MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10170 05

HIRAM COLLEGE, OHIO
 DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
 [NASA RELEASE-84-69] P84-10086 06

HISTORY
 SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
 SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
 CONFERENCE, STUDENTS FOR THE EXPLORATION AND
 DEVELOPMENT OF SPACE, WASHINGTON, D.C.
 P84-10153 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
 EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
 P84-10208 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
 FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
 [NASA RELEASE-84-153] P84-10223 05

HONEYCOMBS
 SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06

HONEYWELL, INC.
 STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF

HORMONES

SUBJECT INDEX

REPRESENTATIVES P84-10039 05
 SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT P84-10055 06
 [NASA RELEASE-84-38]
 NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
 [NASA RELEASE-84-159] P84-10240 06

HORMONES
 SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
 SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
 INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
 WASHINGTON, D.C. P84-10217 05
 SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
 WASHINGTON, D.C. P84-10222 05
 SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
 YORK CITY P84-10224 05

HOSPITALS
 S JOHNS HOPKINS HOSPITAL, BALTIMORE, MD.
 S VETERANS ADMIN. HOSPITAL, SAN FRANCISCO

HOUSTON UNIV., TEX.
 NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
 [NASA RELEASE-84-159] P84-10240 06

HAIR
 S HIGH RESOLUTION INFRARED RADIOMETER

HUBBLE SPACE TELESCOPE
 SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
 LOUIS P84-10030 05
 FISCAL YEAR 1985 BUDGET PRESS BRIEFING
 P84-10032 05
 SUGGESTED REMARKS: NATIONAL SPACE CLUE,
 WASHINGTON, D.C. P84-10033 05
 STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
 COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
 UNITED STATES SENATE P84-10038 05
 STATEMENT OF ROBERT O. ALLEN BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10042 05
 SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
 ACCEPTANCE TESTING P84-10084 06
 [NASA RELEASE-84-67]
 ASTRONAUTS DESCRIBE WORK AT SPACE TELESCOPE
 SCIENCE INSTITUTE P84-10090 06
 [NASA RELEASE-84-73]
 STATEMENT BY JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
 P84-10139 05
 STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, HOUSE OF
 REPRESENTATIVES P84-10140 05
 REMARKS PREPARED FOR DELIVERY TO: ANNUAL
 CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
 ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05
 SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
 D.C. P84-10145 05
 SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
 CONFERENCE, STUDENTS FOR THE EXPLORATION AND
 DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05
 UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
 P84-10155 05
 ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05
 SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
 MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
 WOODS HOLE, MASS P84-10158 05
 SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
 WESTCHESTER COUNTY, N.Y. P84-10209 05
 SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
 COMMITTEE ON JPL, WASHINGTON, D.C. P84-10213 05
 SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
 LUNCHEON, MISSOURI P84-10215 05
 ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
 FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
 [NASA RELEASE-84-153] P84-10223 05
 HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06
 SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
 JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
 P84-10261 05
 SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
 SYMPOSIUM, COLORADO SPRINGS, COLORADO
 P84-10263 05
 SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
 P84-10265 05

HUGH L. DRYDEN FLIGHT RESEARCH CENTER
 S DRYDEN FLIGHT RESEARCH CENTER, CALIF.

HUGHES AIRCRAFT CO.
 ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06
 NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA P84-10022 06
 [NASA RELEASE-84-22]
 STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10039 05
 PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
 [NASA RELEASE-84-88] P84-10105 06
 HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
 SHUTTLE FLIGHTS P84-10106 06
 [NASA RELEASE-84-89]
 ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
 CONTRACT AWARDED P84-10130 06
 [NASA RELEASE-84-113]
 NASA TO LAUNCH THIRD GALAXY SATELLITE
 [NASA RELEASE-84-128] P84-10183 06
 STS 51-1 SATELLITE RETRIEVAL BRIEFING
 P84-10267 05
 STS 51-A PREFLIGHT CREW PRESS CONFERENCE
 P84-10268 05

HUGHES COMMUNICATIONS INTERNATIONAL INC.
 ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06
 NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2
 SATELLITE P84-10133 06
 [NASA RELEASE-84-116]
HUGHES COMMUNICATIONS SERVICE, INC.
 DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L
 [NASA RELEASE-84-69] P84-10086 06
 DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
 [NASA RELEASE-84-117] P84-10172 06
 SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
 HONOR AWARDS CEREMONY, CLEVELAND, OHIO
 P84-10264 05

HUMAN FACTORS ENGINEERING
 STATEMENT OF JAMES M. BEGGS BEFORE THE

SUBJECT INDEX

INDIAN SPACE RESEARCH ORGANIZATION

SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON AEROPORTATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

HUMAN RESEARCH
S BIC TECHNOLOGY

HUMAN TISSUE SIMULATOR
SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

HUYGENS LABORATORY, LEIDEN
IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

HYDROGEN CLOUDS
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

HYPERSONIC AIRCRAFT
SUGGESTED REMARKS: AERC CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

IAA
S INTERNATIONAL AEROSPACE ABSTRACTS

IBM
S INTERNATIONAL BUSINESS MACHINES CORP.

ICE PROTECTION SYSTEMS
LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

IGLOO
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

ILC SPACE SYSTEMS
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

IMAGE ENHANCEMENT
RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

IMAGE PROCESSING
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

IMAGING TECHNIQUES
BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

IMAX SYSTEMS CORP., TORONTO, CANADA
SOLAR MAX REPAIR, LDEF EFFICIENCY HIGHLIGHT
SHUTTLE FLIGHT

[NASA RELEASE-84-38] P84-10055 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

IMPACT
S ECONOMIC IMPACT

IMPLANTABLE BIOTELEMETRY SYSTEMS
SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

IMPLANTATION
SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

INCENTIVE CONTRACTS
LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

NASA SELECTS USBI FOR SRB ASSEMBLY AND
REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

INCENTIVES
SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

INDIA
SA DEPARTMENT OF SPACE, INDIA

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175] P84-10256 06

INDIAN SPACE RESEARCH ORGANIZATION
S DEPARTMENT OF SPACE, INDIA

INDONESIA

SUBJECT INDEX

INDONESIA

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE
[NASA RELEASE-84-116] P84-10133 06

INDONESIAN SATELLITES
S PALAPA SATELLITES

INDUSTRIAL APPLICATIONS
S TECHNOLOGY UTILIZATION PROGRAM

INDUSTRIAL APPLICATIONS CENTERS, NASA
SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

INDUSTRIAL APPLICATIONS PROGRAM

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

INDUSTRIAL COOPERATION

NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL DELTA PROGRAM
[NASA RELEASE-84-2] P84-10002 06

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA DEVICE COULD CUT DEF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB MISSION
[NASA RELEASE-84-13] P84-10013 06

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE
[NASA RELEASE-84-14] P84-10014 06

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE FACILITY
[NASA RELEASE-84-29] P84-10029 06

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING P84-10036 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,

HOUSE OF REPRESENTATIVES P84-10041 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

SOLAR MAX-REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

SUBJECT INDEX

INFRARED ASTRONOMY SATELLITE

NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE P84-10236 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY
[NASA RELEASE-84-158] P84-10239 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

INDUSTRIAL RESEARCH MAGAZINE
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

INDUSTRIAL SPACE FACILITY
NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL
SPACE FACILITY
[NASA RELEASE-84-29] P84-10029 06

INDUSTRY
NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE
CORPORATE QUALITY
[NASA RELEASE-84-134] P84-10189 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

INERTIAL UPPER STAGE
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES A. AERHAMSSEN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT C. ALLIE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

INFORMATION DISSEMINATION
TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10166 05

INFORMATION EXCHANGE
SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

INFORMATION RETRIEVAL
NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27
AND 28
[NASA RELEASE-84-135] P84-10190 06

INFORMATION SYSTEMS
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

INFRARED ASTRONOMY
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

INFRARED ASTRONOMY SATELLITE
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

INFRARED PHOTOGRAPHY

SUBJECT INDEX

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS
[NASA RELEASE-84-76] P84-10095 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
P84-10140 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.
P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C.
P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y.
P84-10213 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE COMMITTEE ON JEL, WASHINGTON, D.C.
P84-10215 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI
P84-10216 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MCCLETT FIELD, CALIF.
P84-10219 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

INFRARED PHOTOGRAPHY
PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

INFRARED RADIATION
SA FOR INFRARED RADIATION

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

INFRARED SPACE OBSERVATORY
IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

INFRARED SPECTROMETER
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

INFRARED TELESCOPES
SA SPACE INFRARED TELESCOPE FACILITY

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI
P84-10031 05

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

INNOVATIONS
S INVENTIONS

INSAT
NASA AND INDIA SIGN LAUNCH AGREEMENT

[NASA RELEASE-84-175] P84-10256 06

INSAT-1
PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE
[NASA RELEASE-84-137] P84-10192 06

INSECTICIDES
NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

INSECTS
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C.
P84-10152 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

INSTITUTE OF AEROSPACE SCIENCES
S AMERICAN INST. OF AERON. AND ASTRONAUTICS

INSTRUMENT FAILURE
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

INSTRUMENT PACKAGES
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

INSTRUMENTATION
SA BIOINSTRUMENTATION

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

INSULATION
SA COATINGS

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10136 05

INSULIN
SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA.
P84-10162 05

INSURANCE
NASA WILL RETRIEVE SECOND SATELLITE ON 51-A SHUTTLE MISSION
[NASA RELEASE-84-136] P84-10191 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

INTECH.
STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

INTEGRATED SYSTEMS ANALYSTS
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

INTELLECTUAL PROPERTY OWNERS, INC.
SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

SUBJECT INDEX

INTERNATIONAL COOPERATION

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

INTELSAT SATELLITES
"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-P9
[NASA RELEASE-84-62] P84-10079 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

ATLAS CENTAUR FAILURE REVIEW BOARD NAMED
[NASA RELEASE-84-79] P84-10096 06

LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR
FAILURE
[NASA RELEASE-84-84] P84-10101 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

INTERAGENCY COOPERATION
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

SOLAR MAX REPAIR, IDEF DEFICENCY HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
[NASA RELEASE-84-42] P84-10059 06

LEWIS CENTER AWARDS CONTRACT FOR TWO
SHUTTLE/CENTAUR VEHICLES
[NASA RELEASE-84-44] P84-10061 06

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES,
COMMITTEE ON AEROPROPIATICS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERC CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

INTERCONTINENTAL RANGE AIRCRAFT
SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

INTERFEROMETERS
SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

INTERMETRICS, INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

INTERNATIONAL AEROSPACE ABSTRACTS
TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

INTERNATIONAL BUSINESS MACHINES CORP.
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

INTERNATIONAL COMETARY EXPLORER
COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

PICNEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

INTERNATIONAL COOPERATION
NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

SPACE RESEARCH INDICATES GRAVITY AFFECTS ECNE GROWTH
[NASA RELEASE-84-16] P84-10016 06

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

INTERNATIONAL COOPERATION CONTD

SUBJECT INDEX

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP B. CUIBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

COMET KOPPEL TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

AMETE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE
[NASA RELEASE-84-137] P84-10192 06

TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF. P84-10219 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SUBJECT INDEX

ION RELEASE MODULE

CHINA DEPOSITS EARNST MCNEY FOR SATELLITE LAUNCH SERVICES
[NASA RELEASE-84-152] P84-10232 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175] P84-10256 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, CLOVRADO SPRINGS, COLORADO
P84-10263 05

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS
STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10202 05

INTERNATIONAL GEOSPHERE/BIOSPHERE PROGE.
STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10202 05

INTERNATIONAL HALLEY WATCH
NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
[NASA RELEASE-84-30] P84-10047 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

INTERNATIONAL SATELLITES
S ANIK SATELLITES
S AURORAE
S COSMOS SATELLITES
S COSPAS
S EKOSAT /EUROPEAN X-RAY OBS. SATELLITE/
S INFRARED ASTRONOMY SATELLITE
S INTELSAT SATELLITES
S ISEE /INTERNATIONAL SUN EARTH EXPLORER/
S ISEE-3
S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
S PALAPA SATELLITES
S SALTUT ORBITING SPACE STATION
S UNITED KINGDOM SATELLITES

INTERNATIONAL SCAR POLAR MISSION
S ULYSSES MISSION

INTERNATIONAL SUN EARTH EXPLORER
S ISEE /INTERNATIONAL SUN EARTH EXPLORER/

INTERNATIONAL TECHNOLOGY UNDERWRITERS
NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE
[NASA RELEASE-84-116] P84-10133 06

INTERNATIONAL TELECOMM. SAT. CONSORTIUM
S INTERNATIONAL TELECOMM. SAT. ORGAN.

INTERNATIONAL TELECOMM. SAT. ORGAN.
"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

INTERNATIONAL ULTRAVIOLET EXPLORER
S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/

INTERSTELLAR GAS
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

INVENTIONS
SPACE AGENCY AIDED INVENTION OF PROGRAMMABLE MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

INVESTIGATORS WORKING GROUP
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

INVESTMENTS
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C.
P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y.
P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C.
P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C.
P84-10156 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA.
P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI
P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C.
P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C.
P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW YORK CITY
P84-10224 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

ION RELEASE MODULE
AMTE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

ICNOSPHERE

SUBJECT INDEX

ICNOSPHERE

STATEMENT BY JAMES R. MCREISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

IRON

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

ISEE /INTERNATIONAL SUN EARTH EXPLORER/ SA ISEE-3

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

ISEE-3

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

ISLANDS

S PACIFIC ISLANDS

ISOELECTRIC FOCUSING EXPERIMENT

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ISRAEL

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

ITALY

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

J

JAPAN

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

FISCAL YEAR 1985 BUDGET PRESS BRIEFING

P84-10032 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUBJECT INDEX

JOHNSON AND JOHNSON CO.

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

JET PROPULSION LAB., PASADENA, CALIF.
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
[NASA RELEASE-84-30] P84-10047 06

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

AMTE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

STATEMENT OF ROBERT C. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

JETSTAR
S C-140 AIRCRAFT

JOHN DEERE AND CO.
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
YORK CITY P84-10224 05

JOHN F. KENNEDY SPACE CENTER, NASA, FLA.
S KENNEDY SPACE CENTER, COCOA BEACH, FLA.

JOHNS HOPKINS HOSPITAL, BALTIMORE, MD.
STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

JOHNS HOPKINS UNIV., BALTIMORE, MD.
SA APPLIED PHYSICS LABORATORY

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

JOHNSON AND JOHNSON CO.
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

JOHNSON SPACE CENTER, HOUSTON, TEX.

SUBJECT INDEX

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA.
P84-10162 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI
P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GETTYSBURG UNIVERSITY, WASHINGTON, D.C.
P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C.
P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY
P84-10224 05

JOHNSON SPACE CENTER, HOUSTON, TEX.

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

KRATOVLIC TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
[NASA RELEASE-84-24] P84-10024 06

JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
[NASA RELEASE-84-25] P84-10025 06

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10040 05

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10042 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON CENTER
[NASA RELEASE-84-50] P84-10067 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
P84-10140 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10169 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

JSC PUBLIC INFORMATION CHIEF TO RETIRE
[NASA RELEASE-84-168] P84-10249 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

JOINT PARTICLE INTERCAL. PROJ., USSR/US
STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

JSC
S JOHNSON SPACE CENTER, HOUSTON, TEX.

JUPITER EXPLORATION
NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

JUPITER ORBITER/PROBE
S GALILEO PROJECT

K

KANSAS CITY AIRPORT, MO.
ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

KAYSER THERDE, MUNICH, WEST GERMANY
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

KC-10 AIRCRAFT
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

KC-135 AIRCRAFT
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA.
P84-10162 05

KENNEDY SPACE CENTER, COCOA BEACH, FLA.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SUBJECT INDEX

LANDING APPROACH

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

STATEMENT OF JAMES A. AERHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

SOLAR MAX REPAIR, IDEF DELIVERY HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

AMTPE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10170 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA SELECTS USBI FOR SEE ASSEMBLY AND REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

KENTRON INTERNATIONAL, HAMPTON, VA.
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

KEROSENE
NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

KERR-MCGEE CORP., OKLAHOMA CITY
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

KLYSTRONS
NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

KOPEE COMET
COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

KSC
S KENNEDY SPACE CENTER, COCOA BEACH, FLA.

L

L. B. JOHNSON SPACE CENTER, HOUSTON, TEX.
S JOHNSON SPACE CENTER, HOUSTON, TEX.

L-1011 AIRCRAFT
NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

LAGEOS /LASER GEODYNAMIC SATELLITE/
NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY
[NASA RELEASE-84-52] P84-10069 06

LAMINAR FLOW
SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

LAMINAR FLOW AIRFOILS
NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

LAMINAR FLOW CONTROL
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

LANDING APPROACH
STATEMENT OF JOHN C. BRIZENDINE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10168 05

LANDING AREAS

SUBJECT INDEX

LANDING AREAS

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

LANDING OPERATIONS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. AERAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

LANDSAT SATELLITES

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NASA
[NASA RELEASE-84-49] P84-10066 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

STATEMENT BY SERIBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-L SATELLITE RETRIEVAL BRIEFING
P84-10267 05

LANGLEY RESEARCH CENTER, HAMPTON, VA.

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HOEGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

SOLAR MAX REPAIR, IDEAL DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY.
[NASA RELEASE-84-160] P84-10241 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

LABC

S LANGLEY RESEARCH CENTER, HAMPTON, VA.

LARGE SPACE STRUCTURES

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

LARGE SPACE TELESCOPE

S HUBBLE SPACE TELESCOPE

LAS CAMPANAS OBSERVATORY, CHILE

RINGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

LASER DISKS

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

LASER DOPPLER VELOCIMETRY

LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

LASER GEODYNAMIC SATELLITE

S LAGEOS /LASER GEODYNAMIC SATELLITE/

LASER RANGING

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

SUBJECT INDEX

LAUNCH VEHICLES

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

LASER WEAPONS
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

LASERS
SA LASER DOPPLER VELOCIMETRY
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

LAUNCH DATES
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06
NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON SHUTTLE
[NASA RELEASE-84-12] P84-10012 06
U.S. BIOLOGY EXPERIMENTS FINISHED SUCCESSFULLY ON SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06
APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06
SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C. P84-10033 05
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06
SHUTTLE MISSION 41-D LAUNCH DATE ADJUSTED
[NASA RELEASE-84-46] P84-10063 06
NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO NOAA
[NASA RELEASE-84-49] P84-10066 06
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06
FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06
AMPE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06
LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06
LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06
NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06
NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

LAUNCH OPERATIONS
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

LAUNCH PROCESSING SYSTEM
STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

LAUNCH SCHEDULES
NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

LAUNCH SITES
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06
APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06
STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05
STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

LAUNCH SUPPORT SERVICES
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

LAUNCH VEHICLE REVIEW BOARD, NASA
ATLAS CENTAUR FAILURE REVIEW BOARD NAMED
[NASA RELEASE-84-79] P84-10096 06

LAUNCH VEHICLES
SA ARIANE LAUNCH VEHICLE
SA ATLAS LAUNCH VEHICLE
SA ATLAS-CENTAUR LAUNCH VEHICLES
SA CENTAUR LAUNCH VEHICLE
SA DELTA LAUNCH VEHICLES
SA EXPENDABLE LAUNCH VEHICLES
SA SATURN LAUNCH VEHICLE
SA SCOUT LAUNCH VEHICLE
SA SOLID ROCKET BOOSTERS
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05
SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05
SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

LAUNCH WINDOW

SUBJECT INDEX

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

LAUNCH WINDOW

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-L SATELLITE RETRIEVAL BRIEFING
P84-10267 05

LDEF

S LONG DURATION EXPOSURE FACILITY

LEADERSHIP

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE
CERAMIC QUALITY
[NASA RELEASE-84-134] P84-10189 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

LEADING EDGES

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

LEAKAGE

LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR
FAILURE
[NASA RELEASE-84-84] P84-10101 06

LEASAT

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

LEASECRAFT

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

LEHIGH UNIV., BETHLEHEM, PA.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

LENSES

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

LERC

S LEWIS RESEARCH CENTER, CLEVELAND, OHIO

LEWIS RESEARCH CENTER, CLEVELAND, OHIO

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS,
MISSOURI P84-10031 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

SUBJECT INDEX

LOCKHEED-CALIFORNIA CO., BURBANK, CALIF.

NASA TO PARTICIPATE IN CSHKOSH AVIATION EXHIBITION [NASA RELEASE-84-92] P84-10109 06	[NASA RELEASE-84-141] P84-10196 06
TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS [NASA RELEASE-84-94] P84-10111 06	SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05
NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06	51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO P84-10118 06	LIFE SYSTEMS, INC. NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06
ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE CONTRACT AWARDED [NASA RELEASE-84-113] P84-10130 06	LIGHT AIRCRAFT SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY [NASA RELEASE-84-160] P84-10241 06
STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05	LIGHTER-THAN-AIR VEHICLES S. BALLOONS
SPACE STATION PROPOSALS SOUGHT [NASA RELEASE-84-130] P84-10185 06	LIGHTNING NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS [NASA RELEASE-84-18] P84-10018 06
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06	LING-TEMCO-VOUGHT, INC. S. LTV AEROSPACE CORP.
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05	LIQUID OXYGEN LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR FAILURE [NASA RELEASE-84-84] P84-10101 06
LICENSING NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO P84-10118 06	LITHIUM SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE PROBE [NASA RELEASE-84-140] P84-10195 06
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05	ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY [NASA RELEASE-84-170] P84-10251 06
LIFE (DURABILITY) NASA CENTER USES CERAMIC COATINGS TO INCREASE ROCKET ENGINE LIFE [NASA RELEASE-84-19] P84-10019 06	LITHOSPHERE STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05
NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE YEAR [NASA RELEASE-84-87] P84-10104 06	LOCKHEED AIRCRAFT CORP. NASA WORKS TO IMPROVE AERIAL APPLICATION OF CHEMICALS [NASA RELEASE-84-66] P84-10083 06
LIFE SCIENCES SA AEROSPACE MEDICINE SA BIOTECHNOLOGY SA ENTOMOLOGY SA GENETICS AND GROWTH	LOCKHEED CORP. NASA SELECTS USBI FOR SRB ASSEMBLY AND REFURBISHMENT CONTRACT [NASA RELEASE-84-118] P84-10173 06
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING [NASA RELEASE-84-1] P84-10001 06	41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND CINEMA-360 [NASA RELEASE-84-124] P84-10179 06
TWO SHUTTLE CREWS NAMED BY NASA [NASA RELEASE-84-11] P84-10011 06	CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05	NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES, COMMITTEE ON AEROPROPERATIONS, HOUSE OF REPRESENTATIVES P84-10140 05	LOCKHEED L-1011 AIRCRAFT S. L-1011 AIRCRAFT
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05	LOCKHEED MISSILES AND SPACE CO., CALIF. NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT [NASA RELEASE-84-70] P84-10087 06
SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MCFFET FIELD, CALIF. P84-10219 05	NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING VEHICLE STUDY [NASA RELEASE-84-102] P84-10119 06
LIFE SUPPORT SYSTEMS NASA SETS UP SPACE STATION DEVELOPMENT TEAMS [NASA RELEASE-84-31] P84-10048 06	LOCKHEED SPACE SYS. DIV., SUNNYVALE, CA. SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING [NASA RELEASE-84-67] P84-10084 06
REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05	LOCKHEED-CALIFORNIA CO., BURBANK, CALIF. STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES	NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH [NASA RELEASE-84-123] P84-10178 06

LOCKHEED-GEORGIA CO.
SUBJECT INDEX
LOCKHEED-GEORGIA CO.

P84-10163 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA SELECTS LOCKHEED-GEORGIA FOR PROFFAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

LONDON ECONOMIC SUMMIT

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

LONG DURATION EXPOSURE FACILITY

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

LONG-DURATION SPACE FLIGHT

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

LOS ANGELES COUNTY MUSEUM OF ART

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

LOUISIANA WORLD EXPOSITION

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

LOW GRAVITY

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

LOWELL OBSERVATORY, FLAGSTAFF, ARIZ.

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

LCS

S LIQUID OXYGEN

LTV AEROSPACE AND DEFENSE CO., TEX.

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

LTV AEROSPACE CORP.

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.

LUCIA ASTEROID

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

LUMINOSITY

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

LUNAR BASES

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

LUNAR COLONIZATION

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

LUNAR LANDING

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

LUNAR RESOURCES

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

LUNAR SAMPLES

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE

SUBJECT INDEX

MANUFACTURING

P84-10203 05
SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

LUNAR SURFACE

SA SURFACE ROUGHNESS

SYMPOSIUM TO FCCOS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

M

MADRID TRACKING STATION, SPAIN
STATEMENT OF BILLIE J. MCGILVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

MADRID, SPAIN
STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

MAGNETIC FIELD SATELLITE /MAGSAT/
S MAGSAT /MAGNETIC FIELD SATELLITE/

MAGNETIC FIELDS

SA GEOMAGNETIC FIELD

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

AMETE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

MAGNETOSPHERE

AMETE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

MAGSAT /MAGNETIC FIELD SATELLITE/
STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

MAINTENANCE

SA SPACE MAINTENANCE

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN
CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

MAN ENVIRONMENT INTERACTIONS

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

MANAGEMENT

SA ADMINISTRATIVE OPERATIONS SA PARTICIPATIVE DEMOCRACY

JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
[NASA RELEASE-84-25] P84-10025 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, BOSSLYN,
VA. P84-10210 05

MANIPULATOR FOOT RESTRAINT

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

MANNED MANEUVERING UNIT

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB
MISSION
[NASA RELEASE-84-13] P84-10013 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

MANNED SPACE FLIGHT

SA APOLO PROJECT SA GEMINI PROJECT SA LONG-DURATION SPACE FLIGHT SA SKYLAB PROGRAM

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

SUGGESTED REMARKS: WHITE HOUSE EVENT
P84-10207 05

MANNED SPACECRAFT CENTER, HOUSTON, TEX.
S JOHNSON SPACE CENTER, HOUSTON, TEX.

MANPOWER

SA PERSONNEL

STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE
ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

MANUFACTURING

SA SPACE MANUFACTURING

NASA SELECTS USBI FOR SRB ASSEMBLY AND
REFURBISHMENT CONTRACT

MARINER MARK 2 SPACECRAFT

SUBJECT INDEX

[NASA RELEASE-84-118] P84-10173 06

MARINER MARK 2 SPACECRAFT

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

MARINER PROJECT

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

MARITIME COMMUNICATIONS

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

MARKETING

STATEMENT BY WILLIAM A. ANDERS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10134 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

GARY E. KRIE TO HEAD NASA COMMERCIAL DEVELOPMENT
DIVISION
[NASA RELEASE-84-166] P84-10247 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

MARS /PLANET/

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

MARS ATMOSPHERE

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

MARS EXPLORATION

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

MARS GEOSCIENCE/CLIMATOLOGY ORBITER

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

MARS LANDING

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

MARSHALL AMATEUR RADIO CLUB

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

MARSHALL SPACE FLIGHT CENTER, ALA.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

SUBJECT INDEX

MCDONNELL-DOUGLAS CORP.

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

MARSHALL CENTER TO CONDUCT PAM NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

MARTIN MARIETTA AEROSPACE
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA AWARDS CRITICAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

MARTIN MARIETTA CORP.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

MARYLAND
NASA CONDUCTS GYPSY MOON SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

MARYLAND DEPT. OF TRANSPORTATION
STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

MARYLAND UNIV., COLLEGE PARK
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

MATAGORDA ISLAND, TEX.
STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

MATERIALS RESEARCH
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

MATHEMATICS
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

MCDONNELL DOUGLAS TECHNICAL SER. CO.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

MCDONNELL-DOUGLAS ASTRONAUTICS CO.
NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL
DELTA PROGRAM
[NASA RELEASE-84-2] P84-10002 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

MCDONNELL-DOUGLAS CORP.
SA DOUGLAS AIRCRAFT CO., INC.

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA SELECTS USBI FOR SRB ASSEMBLY AND
REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

MC MURDO BASE, ANTARCTICA

SUBJECT INDEX

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY P84-10224 05

MARSHALL CENTER TO CONDUCT FAN NOZZLE TESTS [NASA RELEASE-84-172] P84-10253 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

MC MURDO BASE, ANTARCTICA
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK [NASA RELEASE-84-173] P84-10254 06

MEASUREMENT OF AIR POLLUTION FROM SAT.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

MEASURING DEVICES
S ACCELEROMETERS
S CLOCKS
S INFRARED SPECTROMETER
S INTERFEROMETERS
S PHOTOMETERS
S POLARIMETERS
S PRESSURE GAUGES
S RADAR ALTIMETER
S SEISMOGRAPH
S SPECTROMETERS
S ULTRAVIOLET SPECTROMETER

MECHANICAL TECHNOLOGY, INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06

MEDICAL COLL. OF PA., PHILADELPHIA
NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147] P84-10227 06

MEDICAL ELECTRONICS
SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE MEDICATION SYSTEM [NASA RELEASE-84-51] P84-10068 06

MEDICAL EQUIPMENT
SA PARALYTIC ASSIST DEVICES

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE [NASA RELEASE-84-63] P84-10080 06

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL DEVELOPMENT [NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

MEDICAL RESEARCH
SA BIOMEDICAL RESEARCH

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR COMMERCIAL USE [NASA RELEASE-84-98] P84-10115 06

MEDICINE /GEN/
SA NEUROLOGY

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

MEDITERRANEAN SEA
NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY [NASA RELEASE-84-52] P84-10069 06

MEMORANDUM OF UNDERSTANDING
NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE FACILITY [NASA RELEASE-84-29] P84-10029 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

MEMORIALS
SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C. P84-10211 05

MERCURY PROJECT
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM P84-10208 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

MERRETT SYNDICATES LTD.
NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE [NASA RELEASE-84-116] P84-10133 06

NASA WILL RETRIEVE SECOND SATELLITE ON 51-A SHUTTLE MISSION [NASA RELEASE-84-136] P84-10191 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

MESSERSCHMITT-BOELKOW-BLOHM CORP., MUNICH
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

METALS
S ALLOYS
S ALUMINUM
S COATINGS
S IRON
S LITHIUM

SUBJECT INDEX

MINNESOTA MINING AND MANUFACTURING CO.

METEOROLOGICAL SATELLITES

SA INSAT
SA INSAT-1
SA NIMBUS SATELLITES
SA NOAA METEOROLOGICAL SATELLITES
SA TIRCS N

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

METEOROLOGY

S CLOUDS
S LIGHTNING
S THUNDERSTORMS
S WEATHER FORECASTING

METHANE

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

MICROUD ASSEMBLY FAC., NEW ORLEANS, LA.

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

NASA SELECTS BEIJING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

MICROCOMPUTERS

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

MICROELECTRONICS

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

MICROGRAVITY

S REDUCED GRAVITY

MICROGRAVITY SCIENCE AND APPLICATIONS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

MICROMINIATURIZATION

SPACE AGENCY AIDED INVENTION OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

MICROSPHERES

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

MICROWAVE SOUNDING UNIT

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

MILITARY AVIATION

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

MILITARY ROLE IN SPACE

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

MINERAL EXPLORATION

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

MINES

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

MINING

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

MINNESOTA MINING AND MANUFACTURING CO.

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14] P84-10014 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

MINORITIES

SUBJECT INDEX

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE FOSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY P84-10224 05

DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149] P84-10229 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

MINORITIES

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY MONTH, WASHINGTON, D.C. P84-10034 05

MIRROBS

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT [NASA RELEASE-84-70] P84-10087 06

MISSILES

S BALLISTIC MISSILES

MISSION DURATION

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING [NASA RELEASE-84-1] P84-10001 06

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

TWO SHUTTLE CREWS NAMED BY NASA [NASA RELEASE-84-11] P84-10011 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C [NASA RELEASE-84-27] P84-10027 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D [NASA RELEASE-84-69] P84-10086 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET [NASA RELEASE-84-72] P84-10089 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING [NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS [NASA RELEASE-84-78] P84-10095 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR FLEET MISSION [NASA RELEASE-84-127] P84-10182 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION [NASA RELEASE-84-144] P84-10199 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148] P84-10228 06

DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149] P84-10229 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT [NASA RELEASE-84-178] P84-10259 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

MISSION OBJECTIVES

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA [NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE [NASA RELEASE-84-54] P84-10071 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-57] P84-10074 06

SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS [NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D [NASA RELEASE-84-69] P84-10086 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74] P84-10091 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G [NASA RELEASE-84-76] P84-10093 06

AUGUST SHUTTLE MISSION DEFINED [NASA RELEASE-84-95] P84-10112 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D [NASA RELEASE-84-117] P84-10172 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR FLEET MISSION [NASA RELEASE-84-127] P84-10182 06

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY [NASA RELEASE-84-170] P84-10251 06

MISSION PECULIAR EXPER. SUPPORT STRUCT.

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D [NASA RELEASE-84-117] P84-10172 06

SUBJECT INDEX

MUTCH MEMORIAL STATION

MISSION PLANS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

MISSION TERMINATION

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

MISSISSIPPI

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

MISSISSIPPI RIVER

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

MISSISSIPPI TEST FACILITY, BAY ST. LOUIS
S NATIONAL SPACE TECHNOLOGY LAB., NASA

MODELING

S COMPUTERIZED SIMULATION

MODULES

SA APOLLO COMMAND MODULE
SA ORBITAL MODULE

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

MONITORS

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

MONKEYS

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

MONODISPERSE LATEX REACTOR

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

SUGGESTED REMARKS: METEOROLOGICAL CLUB, WASHINGTON,
D.C. P84-10145 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

MOON

SA TITAN

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

MORALE

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN,
VA. P84-10210 05

MORELOS SATELLITES

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

MORTON THICKOL, INC.

STATEMENT OF JAMES A. AERAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

MARSHALL CENTER TO CONDUCT PAM NOZZLE TESTS

[NASA RELEASE-84-172] P84-10253 06

MOTION PICTURES

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
[NASA RELEASE-84-8] P84-10008 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

MOTOROLA, INC.

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

MOUNTAINS

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

MSF

S MANNED SPACE FLIGHT

MSFC

S MARSHALL SPACE FLIGHT CENTER, ALA.

MULTIMISSION MODULAR SPACECRAFT

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

MULTIPURPOSE SPACE VEHICLES

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

MULTISPECTRAL SCANNER

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NOAA
[NASA RELEASE-84-49] P84-10066 06

MUSCULAR FUNCTION

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

MUSCULOSKELETAL SYSTEM

SA BONES

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

MUTCH MEMORIAL STATION

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

MUTUALLY ASSURED DESTRUCTION

SUBJECT INDEX

MUTUALLY ASSURED DESTRUCTION

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

N

NACA

S NATIONAL ADV. COMM. FOR AERONAUTICS

NAMAQUA ASTEROID

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

NAS

S NATIONAL ACADEMY OF SCIENCES

NASA ADVISORY COUNCIL

STATEMENT BY WILLIAM A. ANDERS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10134 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

NASA COMMUNICATIONS NETWORK

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

NASA EMPLOYEE TEAMS

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

NASA RECON

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

NASA/RECON USES CONFERENCE SET FOR SEPTEMBER 27
AND 28
[NASA RELEASE-84-135] P84-10190 06

NASA TECH BRIEFS

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10166 05

NASA-CONTRACTOR PRODUCTIVITY COUNCIL

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

NASCOM

S NASA COMMUNICATIONS NETWORK

NASTRAN

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

NATIONAL ACADEMY OF SCIENCES

SA SPACE SCIENCE BOARD, NAS-NRC

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES

[NASA RELEASE-84-141] P84-10196 06

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

NATIONAL ADV. COMM. FOR AERONAUTICS

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

NATIONAL AERON. AND SPACE ADMIN.

S AEROSPACE SAFETY ADVISORY PANEL
S AMES RESEARCH CENTER, MOFFETT FIELD, CA.
S AUTOMOTIVE GAS TURBINE TECHNOLOGY PROGRAM
S CONTRACTING AND PROCUREMENT
S CRUSTAL DYNAMICS PROJECT, NASA
S DRYDEN FLIGHT RESEARCH CENTER, CALIF.
S FACILITIES
S GODDARD SPACE FLIGHT CTR., GREENBELT, MD.
S HEADQUARTERS, NASA, WASHINGTON, D.C.
S INDUSTRIAL APPLICATIONS CENTERS, NASA
S JET PROPULSION LAB., PASADENA, CALIF.
S JOHNSON SPACE CENTER, HOUSTON, TEX.
S KENNEDY SPACE CENTER, COCOA BEACH, FLA.
S LANGLEY RESEARCH CENTER, HAMPTON, VA.
S LAUNCH VEHICLE REVIEW BOARD, NASA
S LEWIS RESEARCH CENTER, CLEVELAND, OHIO
S MARSHALL SPACE FLIGHT CENTER, ALA.
S MICHAUD ASSEMBLY FAC., NEW ORLEANS, LA.
S NASA COMMUNICATIONS NETWORK
S NATIONAL SPACE TECHNOLOGY LAB., NASA
S OFFICE OF AERON. AND SPACE TECHNOL., NASA
S OFFICE OF EXTERNAL RELATIONS, NASA
S OFFICE OF GENERAL COUNSEL, NASA
S OFFICE OF INDUSTRY AFFAIRS, NASA
S OFFICE OF MANAGEMENT, NASA
S OFFICE OF PLANETARY PROGRAM, NASA
S OFFICE OF SPACE AND TERR. APPL., NASA
S OFFICE OF SPACE FLIGHT, NASA
S OFFICE OF SPACE SCIENCE AND APPL., NASA
S OFFICE OF SPACE TRACKING AND DATA SYSTEMS
S OFFICE OF SPACE TRANSPORTATION OPERATIONS
S OFFICE OF SPACE TRANSPORTATION SYSTEMS
S SCIENTIFIC AND TECH. INFORM. FACILITY, MD.
S SOLAR SYSTEM EXPLORATION DIVISION, NASA
S SPACE SHUTTLE PROGRAM OFFICE, NASA
S TILT ROTOR RES. AIRCRAFT TECHNOL. PROGRAM
S WOLLOPS FLIGHT CENTER, WOLLOPS ISLAND, VA.

NATIONAL AIR AND SPACE MUSEUM, WASH., D.C.

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND
CINEMA-360
[NASA RELEASE-84-124] P84-10179 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

NATIONAL ASSOC. OF BROADCASTERS

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

SUBJECT INDEX

NATIONAL SPACE POLICY

NATIONAL BUREAU OF STANDARDS

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
YORK CITY P84-10224 05

NATIONAL COMM. ON EXCEL. IN EDUCATION

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

NATIONAL COUN. OF SUPERVISORS OF MATH

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NATIONAL COUNCIL OF TEACHERS OF MATH.

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NATIONAL FULL-SCALE AERODYNAMIC COMPLEX

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

NATIONAL INST. OF AERONAUTICS

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

NATIONAL MACHINE TOOL BUILDERS ASSOC.

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA COMPLETES CHECKOUT: TIERS LANDSAT-5 OVER TO
NOAA
[NASA RELEASE-84-49] P84-10066 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STATEMENT BY SHELLEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

NATIONAL RESEARCH COUNCIL

SA SPACE SCIENCE BOARD, NAS-NRC

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NATIONAL RESEARCH COUNCIL, CANADA

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NATIONAL SCIENCE FOUNDATION

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

STATEMENT BY SHELLEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

NATIONAL SCIENCE SUPERVISORS ASSOC.

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NATIONAL SCIENCE TEACHERS ASSOC.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NATIONAL SECURITY

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

NATIONAL SPACE FOUNDATION

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

NATIONAL SPACE INSTITUTE

SA YOUNG ASTRONAUTS YOUTH ORGANIZATION

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB
MISSION
[NASA RELEASE-84-13] P84-10013 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SHUTTLE
MISSION
[NASA RELEASE-84-48] P84-10065 06

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

NATIONAL SPACE POLICY

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NATIONAL SPACE SCIENCE DATA CENTER, GSFC

SUBJECT INDEX

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LGNE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.
P84-10151 05

NATIONAL SPACE SCIENCE DATA CENTER, GSFC
NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

NATIONAL SPACE TECHNOLOGY LAB., NASA
NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10136 05

NATIONAL TRANSONIC FACILITY
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10041 05

SUGGESTED REMARKS: HFAQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C.
P84-10160 05

NATIONAL TRANSPORTATION SAFETY BOARD
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

NAVAL ACADEMY, ANNAPOLIS, MD.
NASA ADMINISTRATOR OUTLINES FUTURE IN SPACE
[NASA RELEASE-84-39] P84-10056 06

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NAVAL ELECTRONIC SYSTEMS COMMAND
MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

NAVAL RESEARCH LAB., WASHINGTON, D.C.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

NAVIGATION SATELLITES
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.
P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C.
P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y.
P84-10213 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

NAVY, U.S.
SA NAVAL ELECTRONIC SYSTEMS COMMAND

HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10202 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY DESIGN
[NASA RELEASE-84-162] P84-10243 06

NEBULAE
S GALAXIES

NEPTUNE ENCOUNTER
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10042 05

NETHERLANDS
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS
P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE
P84-10038 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY
[NASA RELEASE-84-52] P84-10069 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
P84-10140 05

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

NEUROLOGY
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

NEUTRAL BUOYANCY SIMULATOR
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

NEUTRON STARS
NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

NEW YORK
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

NEWS MEDIA
SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

NIGHT FLIGHTS
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE
P84-10038 05

NINBUS SATELLITES
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

NOAA ENVIRONMENTAL MONITORING SATELLITE
ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

SUBJECT INDEX

OFFICE OF AERON. AND SPACE TECHNOL., NASA

NOAA METEOROLOGICAL SATELLITES

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

NOAA-9

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

NOISE REDUCTION RESEARCH

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

SUGGESTED REMARKS: AEEC CLUB OF WASHINGTON, D.C.
P84-10144 05

NORTH AMERICA

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

NORTH AMERICAN PHILIPS LABS., N.Y.

NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE
YEAR
[NASA RELEASE-84-87] P84-10104 06

NORWAY

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

NOZZLES

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JOHN C. FRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

MARSHALL CENTER TO CONDUCT FAN NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

NRC

S NATIONAL RESEARCH COUNCIL

NUCLEAR WEAPONS

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONG STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

NUMERICAL AERODYNAMIC SIMULATION

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

STATEMENT OF ELLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

OSO CORP.

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

OAST-1

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

OBLIQUE WING

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

OBSERVATORIES

S GAMMA RAY OBSERVATORY
S LAS CAMPANAS OBSERVATORY, CHILE
S LOWELL OBSERVATORY, FLAGSTAFF, ARIZ.
S SMITHSONIAN ASTROPHYSICAL OBS., MASS.

OCCULTATION

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

OCEANOGRAPHY

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

OCEANS

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

ODC, INC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

OFFICE OF AERON. AND SPACE TECHNOL., NASA

MARTIN HEADS AERONAUTICS AND SPACE TECHNOLOGY OFFICE

OFFICE OF COMMERCIAL PROGRAMS, NASA

SUBJECT INDEX

[NASA RELEASE-84-10] P84-10010 06
STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

SOLAR MAX REPAIR, IDEF EFFICIENCY HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

STATEMENT OF DONALD P. BARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

OFFICE OF COMMERCIAL PROGRAMS, NASA
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

ISAAC I. GILLAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
YORK CITY P84-10224 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY
[NASA RELEASE-84-158] P84-10239 06

GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT
DIVISION
[NASA RELEASE-84-166] P84-10247 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

OFFICE OF EXTERNAL RELATIONS, NASA
STATEMENT OF DONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10166 05

OFFICE OF GENERAL COUNSEL, NASA
STATEMENT OF S. NEIL HENSENALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10171 05

OFFICE OF IND. AFF. AND TECH. UTIL., NASA
S OFFICE OF SPACE AND TERR. APPL., NASA

OFFICE OF INDUSTRY AFFAIRS, NASA
KRATOVIL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
[NASA RELEASE-84-24] P84-10024 06

OFFICE OF MANAGEMENT AND BUDGET
STATEMENT OF S. NEIL HENSENALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10171 05

OFFICE OF MANAGEMENT, NASA
STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE

ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

OFFICE OF PLANETARY PROGRAM, NASA
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

OFFICE OF SCIENCE AND TECHNOLOGY POLICY
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

OFFICE OF SPACE AND TERR. APPL., NASA
SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

OFFICE OF SPACE FLIGHT, NASA
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN L.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

ASSOCIATE ADMINISTRATOR FOR SPACE FLIGHT APPOINTED
[NASA RELEASE-84-105] P84-10122 06

STATEMENT BY JESSE W. MOORE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10138 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

OFFICE OF SPACE SCI. AND APPL., NASA
S OFFICE OF SPACE SCIENCE AND APPL., NASA

OFFICE OF SPACE SCIENCE AND APPL., NASA
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

SUBJECT INDEX

ORBITAL ASSEMBLY

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

STATEMENT BY SHELLEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

OFFICE OF SPACE STATION, NASA
NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

OFFICE OF SPACE TRACKING AND DATA SYSTEMS
STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

OFFICE OF SPACE TRANSPORTATION OPERATIONS
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

OFFICE OF SPACE TRANSPORTATION SYSTEMS
STATEMENT OF GERALD E. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

OFFICE OF TECHNOLOGY ASSESSMENT
SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

OFFICE OF TRACKING AND DATA ACQ., NASA
S OFFICE OF SPACE TRACKING AND DATA SYSTEMS

OFT
S ORBITAL FLIGHT TESTS

OLYMPIC GAMES
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

OORT'S CLOUD
PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

OPERATION LIFTOFF
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

ORBIT MANEUVERING SYSTEM /SPACE SHUTTLE/
SHUTTLE MISSION 41-D LAUNCH DATE ADJUSTED
[NASA RELEASE-84-46] P84-10063 06

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

ORBIT MANEUVERING VEHICLES
FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ORBIT TRANSFER VEHICLES
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

STATEMENT OF DONALD F. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ORBITAL ASSEMBLY
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

ORBITAL FLIGHT TESTS

SUBJECT INDEX

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

ORBITAL FLIGHT TESTS SA STS-4

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

ORBITAL MODULE

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

ORBITAL RESERVICING SYSTEM

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G [NASA RELEASE-84-76] P84-10093 06

ORBITAL SCIENCES CORP.

STATEMENT OF JAMES A. ABRAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

ORBITAL SERVICES, INC.

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

ORBITAL SERVICING

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

SHUTTLE MISSION 41-C BRIEFINGS SET [NASA RELEASE-84-28] P84-10028 06

SOLAR MAX REPAIR, DREF EFFICIENCY HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53] P84-10070 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES [NASA RELEASE-84-85] P84-10102 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

ORBITAL SPACE STATION STUDY S SPACE STATIONS

ORBITAL SYSTEMS CORP.

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SUBJECT INDEX

PALAPA SATELLITES

ORBITER 099
S CHALLENGER

ORBITER 102
S COLUMBIA

ORBITER 103
S DISCOVERY

ORBITER 104
S ATLANTIS

ORBITING RESEARCH LABORATORIES
SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

ORBITS
SA CIRCULAR CREIT
SA ELLIPTICAL CREIT
SA GEOSTATIONARY OREIT
SA GEOSYNCHRONOUS ORBIT
SA POLAR OREIT
SA SYNCHRONOUS ORBIT

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NOAA P84-10066 06
[NASA RELEASE-84-49]

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-P9
[NASA RELEASE-84-62] P84-10079 06

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ORGANIC CHEMISTRY
NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

UNITED STATES DEPARTMENT OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

ORGANIZATION CHANGE
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON
CENTER
[NASA RELEASE-84-50] P84-10067 06

DR. HANS MARK ACCEPTS NEW POST AT UNIVERSITY OF
TEXAS SYSTEM
[NASA RELEASE-84-65] P84-10082 06

ASSOCIATE ADMINISTRATOR FOR MANAGEMENT APPOINTED
[NASA RELEASE-84-107] P84-10124 06

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

OSCAR SATELLITES
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

OSSA
S OFFICE OF SPACE SCIENCE AND APPL., NASA

OSTA-2
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

OSTA-3
CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

OTHA C. JEAN AND ASSOCIATES
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

OUT-OF-THE-ECLIPTIC MISSION
S ULYSSES MISSION

OXYGEN
S KEROSENE
S LIQUID OXYGEN

P

PACSETTER SYSTEMS, INC.
STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

PACIFIC ENGINEERING CO.
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

PACIFIC ISLANDS
NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

PAKISTAN
STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

PALAPA SATELLITES
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2
SATELLITE
[NASA RELEASE-84-116] P84-10133 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NASA WILL RETRIEVE SECOND SATELLITE ON 51-1
SHUTTLE MISSION
[NASA RELEASE-84-136] P84-10191 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

PALLET SYSTEMS

SUBJECT INDEX

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

PALLET SYSTEMS
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

PALMDALE, CALIF.
ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

PAN AMERICAN WORLD AIRWAYS, INC.
SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

PARALYTIC ASSIST DEVICES
SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

PARK SEED COMPANY
NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

PARKER-HANNIFIN CORP.
SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

PARTICIPATIVE DEMOCRACY
NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

PARTICLE ACCELERATION
EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

PATENTS
SA INVENTIONS

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

PAYLOAD ACCOMMODATIONS
STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

PAYLOAD ASSIST MODULE
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

MARSHALL CENTER TO CONDUCT PAM NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

PAYLOAD DELIVERY
NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10137 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

PAYLOAD OPERATIONS CONTROL CENTER
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

PAYLOAD RETRIEVAL
TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE
[NASA RELEASE-84-116] P84-10133 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

NASA WILL RETRIEVE SECOND SATELLITE ON 51-A SHUTTLE MISSION
[NASA RELEASE-84-136] P84-10191 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

SUBJECT INDEX

PERSONNEL APPOINTMENTS

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLLEGE SPRINGS, COLORADO
P84-10263 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

PAYLOAD SPECIALISTS
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: TOUCHÉ ROSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: 41-I MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE
[NASA RELEASE-84-137] P84-10192 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA P84-10214 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175] P84-10256 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

PAYLOADS
SA OSTA-2
SA SPACE SHUTTLE PAYLOADS

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW YORK CITY P84-10224 05

PENNSYLVANIA
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

PENNSYLVANIA STATE UNIV.
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

PENNSYLVANIA UNIV., PHILADELPHIA
NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

PEOPLE'S REPUBLIC OF CHINA
CHINA DEPOSITS EARNST MONEY FOR SATELLITE LAUNCH SERVICES
[NASA RELEASE-84-152] P84-10232 06

PERFORMANCE
S AIRCRAFT PERFORMANCE
S SPACECRAFT PERFORMANCE

PERKIN-ELMER CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

PERKIN-ELMER CORP., DANBURY, CONN.
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

PERSONNEL
SA ASTRONAUTS
SA EDUCATORS
SA ENGINEERS
SA PILOTS
SA SCIENTISTS
SA SPACECREWS

SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN HERITAGE WEEK, NASA HEADQUARTERS P84-10141 05

NASA TO FLY EDUCATOR ON SHUTTLE MISSION
[NASA RELEASE-84-122] P84-10177 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, BOSSLYN, VA. P84-10210 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C. P84-10211 05

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

PERSONNEL APPOINTMENTS
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER

PERSONNEL SELECTION

SUBJECT INDEX

[NASA RELEASE-84-5] P84-10005 06
 MARTIN HEADS AERONAUTICS AND SPACE TECHNOLOGY OFFICE
 [NASA RELEASE-84-10] P84-10010 06
 KRATOVL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
 [NASA RELEASE-84-24] P84-10024 06
 NASA APPOINTS ACTING SPACE FLIGHT CHIEF
 [NASA RELEASE-84-40] P84-10057 06
 SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON
 CENTER
 [NASA RELEASE-84-50] P84-10067 06
 EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
 [NASA RELEASE-84-57] P84-10074 06
 CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
 [NASA RELEASE-84-76] P84-10093 06
 NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
 [NASA RELEASE-84-104] P84-10121 06
 ASSOCIATE ADMINISTRATOR FOR SPACE FLIGHT APPOINTED
 [NASA RELEASE-84-105] P84-10122 06
 ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
 [NASA RELEASE-84-106] P84-10123 06
 ASSOCIATE ADMINISTRATOR FOR MANAGEMENT APPOINTED
 [NASA RELEASE-84-107] P84-10124 06
 ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF
 COMMERCIAL PROGRAMS
 [NASA RELEASE-84-129] P84-10184 06
 HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
 [NASA RELEASE-84-163] P84-10244 06
 GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT
 DIVISION
 [NASA RELEASE-84-166] P84-10247 06

PERSONNEL SELECTION

SA EMPLOYMENT EQUALITY

NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06
 NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
 [NASA RELEASE-84-26] P84-10026 06
 SUGGESTED REMARKS: WHITE HOUSE EVENT
 P84-10207 05
 NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
 [NASA RELEASE-84-155] P84-10235 06

PESTICIDES

S INSECTICIDES

PHARMACEUTICALS

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
 MISSOURI P84-10031 05
 NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
 [NASA RELEASE-84-61] P84-10078 06
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
 SUGGESTED REMARKS: METEORCLITAN CLUB, WASHINGTON,
 D.C. P84-10145 05
 SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
 P84-10146 05
 SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
 ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
 P84-10147 05
 SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
 RECEPTION, KENNEDY SPACE CENTER, FLA.
 P84-10150 05
 SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
 SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
 P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
 SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
 P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
 WILLIAMSBURG, VA. P84-10162 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
 [NASA RELEASE-84-117] P84-10172 06

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
 LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
 SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
 INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
 WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
 WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
 FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
 [NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
 YORK CITY P84-10224 05

NASA SELECTS UNIVERSITIES FOR RESEARCH
 [NASA RELEASE-84-147] P84-10227 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
 JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
 P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
 SYMPOSIUM, COLORADO SPRINGS, COLORADO
 P84-10263 05

PHILADELPHIA COLL. OF OSTEOPTHY, PA.

NASA SELECTS UNIVERSITIES FOR RESEARCH
 [NASA RELEASE-84-147] P84-10227 06

PHILADELPHIA COLL. OF PHARM. & SCI., PA.

NASA SELECTS UNIVERSITIES FOR RESEARCH
 [NASA RELEASE-84-147] P84-10227 06

PHOTOGRAPHY

SA AERIAL PHOTOGRAPHY
 SA COLOR PHOTOGRAPHY
 SA HIGH RESOLUTION PHOTOGRAPHY
 SA INFRARED PHOTOGRAPHY

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
 [NASA RELEASE-84-20] P84-10020 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
 [NASA RELEASE-84-132] P84-10187 06

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
 [NASA RELEASE-84-145] P84-10200 06

PHOTOINTERPRETATION

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
 [NASA RELEASE-84-145] P84-10200 06

PHOTOMETERS

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
 ACCEPTANCE TESTING
 [NASA RELEASE-84-67] P84-10084 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
 INVESTIGATORS
 [NASA RELEASE-84-110] P84-10127 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
 [NASA RELEASE-84-133] P84-10188 06

PHOTOMETRY

S PHOTOMETERS

PHOTOPOLARIMETERS

ASTRO PAYLOAD SPECIALISTS SELECTED
 [NASA RELEASE-84-80] P84-10097 06

SUBJECT INDEX

PLAQUES

PHOTO RECONNAISSANCE

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LCNE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

PHYSICAL EXERCISE

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

PHYSICAL SCIENCES

S ASTRONOMY
S CHEMISTRY
S PHYSICS
S SPACE SCIENCES

PHYSICS

SA ASTROPHYSICS
SA ATMOSPHERIC PHYSICS
SA GEOPHYSICS
SA PLASMA PHYSICS
SA SOLAR PHYSICS
SA SOLID STATE PHYSICS
SA SPACE PHYSICS

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

PHYSIOLOGICAL EFFECTS

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

PIGGYBACK SYSTEMS

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

PILOTS

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

PINHOLE CAMERAS

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

PIONEER SPACE PROBE

S PIONEER VENUS PROBE
S PIONEER 10

PIONEER VENUS PROBE

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

PIONEER VENUS PROJECT

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

PIONEER 10

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

PITTSBURGH UNIV., PA.

NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

PLANETARY ATMOSPHERES

S MARS ATMOSPHERE
S VENUS ATMOSPHERE

PLANETARY EXPLORATION

SA JUPITER EXPLORATION
SA MARINER PROJECT
SA MARS EXPLORATION
SA VOYAGER PROJECT

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

PLANETARY OBSERVER MISSIONS

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

PLANETARY RINGS

S URANUS RINGS

PLANETOLOGY

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

PLANETS

SA MARS /PLANET/
SA SATURN /PLANET/
SA URANUS /PLANET/

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

PLANT ROOTS

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

PLAQUES

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

PLASMA PHYSICS

SUBJECT INDEX

PLASMA PHYSICS

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

PLASTIC FILM

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAKE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

PLASTICS

S TEFLON /TRALEMARK/

PLATFORMS

SA WORK PLATFORMS

SPACE STATION PROPCSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

PLEXIGLAS

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

POINTING SYSTEMS

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

POLAR ORBIT

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

POLARIMETERS

SA PHOTOPOLARIMETERS

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

SCIENTISTS SELECTED TO CERVESE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

POLICIES

SA COMMERCIAL SPACE POLICY

SUGGESTED REMARKS: TOUCHE BOSS BREAKFAST SERIES
P84-10146 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

POLITICS

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

POLYBENZIMIDAZOLE

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

POLYCHROMATOES

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

POLYMERS

NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06

POWER

S BRAYTON SYSTEM
S ELECTRIC POWER GENERATION
S SPACE POWER

POWER CONVERSION SYSTEM

S BRAYTON SYSTEM

POWER FACTOR CONTROLLER

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

PRATT AND WHITNEY AIRCRAFT

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

PRC

S PEOPLE'S REPUBLIC OF CHINA

PRESSURE

SA BLOOD PRESSURE

PRESSURE GAUGES

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

PROBES

S GALILEO PROJECT

PROCUREMENT

S CONTRACTING AND PROCUREMENT

PRODUCTIVITY

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE
ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE
CORPORATE QUALITY

SUBJECT INDEX

RADIATION

[NASA RELEASE-84-134] P84-10189 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN,
VA. P84-10210 05

SUGGESTED REMARKS: GOLEMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

PROGRAM SUPPORT COMMUNICATIONS NETWORK
NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

PROJECT PLANNING
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10138 05

STATEMENT OF ROBERT O. AILEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

PROPELLANTS
SA KERCSENE

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

PROPELLERS
NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

PROPRIETARY TECHNOLOGY
SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

PROPULSION
SA RAMJET PROPULSION
SA SOLAR SAILS
SA SPACECRAFT PROPULSION

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA TO PARTICIPATE IN CSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

PROTECTIVE CLOTHING
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

PROTECTIVE COATINGS
NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

PROTEINS
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

PUBLICATIONS
S AEROSPACE MEDICINE
S COLLIER'S MAGAZINE
S COMMERCE BUSINESS DAILY
S CONGRESSIONAL REPORTS
S IMPLANTABLE BIOTELEMETRY SYSTEMS
S INDUSTRIAL RESEARCH MAGAZINE
S INTERNATIONAL AEROSPACE ABSTRACTS
S NASA TECH BRIEFS
S SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

PULSARS
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

PUMPS
NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

Q

QUALITY ASSURANCE
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN,
VA. P84-10210 05

QUARANTINE
REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

R

RADAR
S SHUTTLE IMAGING RADAR
S VENUS RADAR MAPPER

RADAR ALTIMETER
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

RADAR MAPPING
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

RADIATION
S EXTREME UV RADIATION
S GALACTIC RADIATION
S INFRARED RADIATION
S SOLAR RADIATION
S STELLAR RADIATION

RADIATION BELTS

SUBJECT INDEX

RADIATION BELTS

S VAN ALLEN RADIATION BELT

RADIATION DETECTORS

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

RADIATION EFFECTS

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

RADIO AMATEUR SATELLITE COFF.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

RADIO BEACONS

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

RADIO COMMUNICATIONS

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

RADIO TRANSMISSION

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

RADIO WAVES

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

RADIOMETERS

SA ADVANCED VERY HIGH RESOLUTION RADIOMETER
SA SOLAR BACKSCATTER UV SPECTRAL RADIOMETER

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

RAMJET PROPULSION

SUGGESTED REMARKS: AFRC CLUB OF WASHINGTON, D.C.
P84-10144 05

RATS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

RCA ASSOCIATES

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

RCA ASTRO-ELECTRON. DIV., PRINCETON, N.J.

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

RCA CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

RCA SERVICE CO., INC., CHERRY HILL, N.J.

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

RECON /NASA/

S NASA RECON

REDOX BATTERIES

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES
P84-10164 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

REDUCED GRAVITY

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C.
P84-10142 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA.
P84-10162 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS
P84-10209 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI
P84-10216 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

REFLECTANCE

RINGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

REFUELING

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA
P84-10214 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

REFURBISHING

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C.
P84-10145 05

NASA SELECTS USBI FOR SRB ASSEMBLY AND
REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

REGIONAL DISSEMINATION CENTERS, NASA

S INDUSTRIAL APPLICATIONS CENTERS, NASA

REGULATIONS

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA.
P84-10162 05

REIMBURSABLE LAUNCHINGS

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,

SUBJECT INDEX

RESEARCH AND PROGRAM MANAGEMENT

COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

CHINA DEPOSITS EARNST MONEY FOR SATELLITE LAUNCH
SERVICES P84-10232 06
[NASA RELEASE-84-152]

NASA AND INDIA SIGN LAUNCH AGREEMENT P84-10256 06
[NASA RELEASE-84-175]

RELIABILITY

SA EQUIPMENT FAILURE

SA QUALITY ASSURANCE

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE
CORPORATE QUALITY P84-10189 06
[NASA RELEASE-84-134]

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN,
VA. P84-10210 05

REMOTE CONSOLE

S NASA RECON

REMOTE INTERACTIVE SEARCH

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

REMOTE MANIPULATOR SYSTEM

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE P84-10012 06
[NASA RELEASE-84-12]

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

SOLAR MAX REPAIR, IDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT P84-10055 06
[NASA RELEASE-84-38]

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DISCOVERY'S SECOND MISSION SCHEDULED P84-10229 06
[NASA RELEASE-84-149]

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

REMOTE SENSING

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.

LOUIS P84-10030 05

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

RENDEZVOUS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

DISCOVERY'S SECOND MISSION SCHEDULED P84-10229 06
[NASA RELEASE-84-149]

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

REQUEST FOR PROPOSALS

SPACE STATION PROPOSALS SOUGHT P84-10185 06
[NASA RELEASE-84-130]

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN P84-10243 06
[NASA RELEASE-84-162]

HIGHLIGHTS OF 1984 NASA ACTIVITIES P84-10260 06
[NASA RELEASE-84-179]

RESEARCH AIRCRAFT

SA AD-1 AIRCRAFT

NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN P84-10243 06
[NASA RELEASE-84-162]

RESEARCH AND DEVELOPMENT

SA AERONAUTICAL RESEARCH

SA MATERIALS RESEARCH

SA SPACE RESEARCH AND TECHNOLOGY

SA SPACE SCIENCE AND APPLICATIONS PROGRAM

FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

RESEARCH AND PROGRAM MANAGEMENT

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

RESEARCH GRANTS

SUBJECT INDEX

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

RESEARCH GRANTS S UNIVERSITY PROGRAMS

RESEARCH PROPOSALS
NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS
[NASA RELEASE-84-138] P84-10193 06

NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS --
PHASE II
[NASA RELEASE-84-142] P84-10197 06

RETIREMENT
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH
CENTER
[NASA RELEASE-84-5] P84-10005 06

ASTRONAUT T. J. HART TO LEAVE NASA
[NASA RELEASE-84-59] P84-10076 06

DR. HANS MARK ACCEPTS NEW POST AT UNIVERSITY OF
TEXAS SYSTEM
[NASA RELEASE-84-65] P84-10082 06

HATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

ASTRONAUT WILLIAM B. LENCIS TO LEAVE NASA
[NASA RELEASE-84-115] P84-10132 06

TEMPLETON LEAVES NASA FOR WASHINGTON LAW OFFICE
[NASA RELEASE-84-156] P84-10237 06

ASTRONAUT DON PETERSON TO LEAVE NASA
[NASA RELEASE-84-157] P84-10238 06

JSC PUBLIC INFORMATION CHIEF TO RETIRE
[NASA RELEASE-84-168] P84-10249 06

REUSABLE ORBITAL TRANSPORT
SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

REUSABLE SPACE VEHICLES
SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROEACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

REUSABLE SURFACE INSULATION
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

REYNOLDS ALUMINUM CO., MCCOOK, ILL.
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

REYNOLDS NUMBER
STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

RFP S REQUEST FOR PROPOSALS

RIBONUCLEIC ACID
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

RICE UNIV., HOUSTON, TEX.
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

RISK
SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

RIVERS S MISSISSIPPI RIVER

RMS
S REMOTE MANIPULATOR SYSTEM

RNA
S RIBONUCLEIC ACID

ROBOTICS
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

ROBOTS
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

ROCHESTER UNIV., N.Y.
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

ROCKET ENGINES
SA SOLID ROCKET BOOSTERS
SA SOLID ROCKET MOTOR
SA SPACE SHUTTLE MAIN ENGINE
SA UPPER STAGE ROCKET ENGINES

NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

ROCKET RESEARCH CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

ROCKETDYNE
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

ROCKETS
SA LAUNCH VEHICLES
SA SOUNDING ROCKETS

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

ROCKWELL INTERNATIONAL CORP.
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06

SUBJECT INDEX

SATELLITE ORBITS

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

ROCKWELL INTERNATIONAL CORP., DOWNEY, CA.
NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

ROHR INDUSTRIES, INC., CHULA VISTA, CA
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

ROTARY ENGINES
NASA TO PARTICIPATE IN CSHKCSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

ROTARY WING AIRCRAFT
SA HELICOPTERS
SA RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERC CLUE OF WASHINGTON, D.C.
P84-10144 05

ROTOR SYSTEMS RESEARCH AIRCRAFT
S RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/

ROTORCRAFT
S ROTARY WING AIRCRAFT

ROTORS
NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
[NASA RELEASE-84-42] P84-10059 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMNY, CLEVELAND, OHIO
P84-10264 05

ROWLAND INST. FOR SCI., CAMBRIDGE, MASS.
NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

RUTHERFORD APPLETON LAB., ENGLAND
AMPE LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

S

S-BAND COMMUNICATIONS SYSTEM
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF

REPRESENTATIVES P84-10042 05

SAFETY FACTOR
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

SAFETY MANAGEMENT
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

SAFETY SYSTEMS
SA AIRCRAFT SAFETY
SA BRAKES
SA FIRE PROTECTION

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION
DOLLAR CONTRACT
[NASA RELEASE-84-151] P84-10231 06

SAHARA DESERT
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SALT WATER
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

SALYUT ORBITING SPACE STATION
STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SAN FRANCISCO BAY, CALIF.
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

SAN JOSE STATE UNIV., CALIF.
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

SARSAT
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

SATELLITE ATTITUDE CONTROL
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

SATELLITE CONFIGURATIONS
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

SATELLITE ORBITS
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE

SATELLITE SOUNDING

SUBJECT INDEX

[NASA RELEASE-84-150] P84-10230 06

SATELLITE SOUNDING
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SATELLITE TELEVISION CORPOBATION
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SATELLITE TRANSMISSION
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

SATELLITES
S ANIK SATELLITES
S ANNA GEODETIC SATELLITE
S AURORAE
S BIOSATELLITES
S COMMUNICATION SATELLITES
S COSMOS SATELLITES
S DIRECT BROADCAST SATELLITES
S DYNAMICS EXPLORER SATELLITES
S EARTH RADIATION BUDGET SATELLITE SYSTEM
S EUVE /EXTREME ULTRAVIOLET EXPLORER/
S EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/
S EXPLORER SCIENTIFIC SATELLITES
S HEAO-2
S INFRARED ASTRONOMY SATELLITE
S INSAT-1
S INTELSAT SATELLITES
S ISEE /INTERNATIONAL SUN EARTH EXPLORER/
S ISEE-3
S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
S LAGEOS /LASER GEODYNAMIC SATELLITE/
S MAGSAT /MAGNETIC FIELD SATELLITE/
S METEOROLOGICAL SATELLITES
S NAVIGATION SATELLITES
S NIMBUS SATELLITES
S NOAA METEOROLOGICAL SATELLITES
S OSCAR SATELLITES
S PALAPA SATELLITES
S PIONEER VENUS PIONEER
S PIONEER 10
S SALVAT ORBITING SPACE STATION
S SARSAT
S SBS SATELLITES
S SEASAT
S SYCOM SATELLITES
S TELSTAR SATELLITES
S TETHERED SATELLITES
S TIRCS N
S UNITED KINGDOM SATELLITES
S VEGA SPACECRAFT
S VENERA LANDERS
S WESTAR SATELLITES

SATURN /PLANET/
COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

SATURN LAUNCH VEHICLE
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10040 05

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

SATURN MOONS
S TITAN

SBS SATELLITES
AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SCAT
S SUPERSONIC COMMERCIAL AIR TRANSPORT

SCHOLASTIC COOPERATION
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT

[NASA RELEASE-84-38] P84-10055 06

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUBJECT INDEX

SHORT HAUL AIRCRAFT

SCIENCE

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SCIENCE AND ENG. RES. COUNCIL, ENGLAND

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

SCIENTIFIC AND TECH. INFORM. FACILITY, MD.

TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

SCIENTIFIC SATELLITES

S APPLICATIONS TECHNOLOGY SATELLITES
S DYNAMICS EXPLORER SATELLITES
S EXPLORER SCIENTIFIC SATELLITES

SCIENTISTS

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SCOUT LAUNCH VEHICLE

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

SEARCH AND RESCUE

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

NASA TO PARTICIPATE IN CSKCSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

STATEMENT BY JAMES R. MCREISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

NASA SET TO LAUNCH NOAA-P METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

SEARCH AND RESCUE MISSIONS

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SEASAT

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SEASAT 1

S SEASAT

SEASAT-A

S SEASAT

SEEDS

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

SEEDS PROJECT

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

SEISMOMETER

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

SELFPRIDGE AFB, MICH.

S AIR FORCE, U.S.

SENSORS

SA REMOTE SENSING

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SHARKS

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

SHF

S SUPERHIGH FREQUENCIES

SHIPS

INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223
LIVES
[NASA RELEASE-84-81] P84-10098 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

SHORT HAUL AIRCRAFT

SA V/STOL AIRCRAFT

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SHORT TAKEOFF AND VERT. LANDING AIRCRAFT

SUBJECT INDEX

SHORT TAKEOFF AND VERT. LANDING AIRCRAFT

S STOVL AIRCRAFT

SHUTTLE CARRIER AIRCRAFT

ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN CALIFORNIA
[NASA RELEASE-84-6] P84-10006 06

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE PERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

SHUTTLE IMAGING RADAR

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C. P84-10033 05

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SHUTTLE INFRARED TELESCOPE FACILITY

FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

SHUTTLE PALLET SATELLITES

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SHUTTLE RADAR LABORATORY

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

SHUTTLE STUDENT INVOLVEMENT PROJECT

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C. P84-10152 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SHUTTLE TRAINING AIRCRAFT

FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

SIGNAL PROCESSING

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

SIKORSKY AIRCRAFT, STRATFORD, CONN.

STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

SILICON

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05

SILICON CARBIDE

STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

SIMULATION

S COMPUTERIZED SIMULATION
S SPACE FLIGHT SIMULATION

SIMULATORS

SA FLIGHT SIMULATORS
SA HUMAN TISSUE SIMULATOR
SA NEUTRAL BUOYANCY SIMULATOR
SA NUMERICAL AERODYNAMIC SIMULATION

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SKYLAB PROGRAM

STATEMENT OF PHILIP E. CULBERTSON AND JOHN L. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10040 05

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

SLIDELL COMPUTER COMPLEX, SLIDELL, LA.

NASA SELECTS BOEING COMPUTER SERVICES FOR COMMUNICATIONS CONTRACT
[NASA RELEASE-84-176] P84-10257 06

SMALL BUS. INNOVATION DEV. ACT OF 1982

NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS
[NASA RELEASE-84-138] P84-10193 06

NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS -- PHASE II
[NASA RELEASE-84-142] P84-10197 06

SMALL BUSINESS SYSTEMS SATELLITES

S SBS SATELLITES

SMALL BUSINESSES

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10166 05

SMITHSONIAN ASTROPHYSICAL OBS., MASS.

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

SMITHSONIAN INSTITUTION

SA NATIONAL AIR AND SPACE MUSEUM, WASH., D.C.

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY MONTH, WASHINGTON, D.C. P84-10034 05

SUBJECT INDEX

SOLAR TERRESTRIAL INTERACTIONS

SMM

S SOLAR MAXIMUM MISSION

SOLAR ARRAYS

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

SOLAR BACKSCATTER UV SPECTRAL RADIOMETER

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SOLAR CELLS

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SOLAR MAXIMUM MISSION

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06SUGGESTED REMARKS: NATIONAL SPACE CLUE,
WASHINGTON, D.C. P84-10033 05STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05STATEMENT OF JAMES A. AERAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05SUGGESTED REMARKS: 41-I MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

SOLAR PANEL

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

SOLAR PHYSICS

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SOLAR POLAR MISSION

S ULYSSES MISSION

SOLAR POWER

S SPACE POWER

SOLAR PROBE

S ULYSSES MISSION

SOLAR RADIATION

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SOLAR SAILS

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-I
[NASA RELEASE-84-69] P84-10086 06

SOLAR SYSTEM

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

SOLAR SYSTEM EXPLORATION COMMITTEE

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SOLAR SYSTEM EXPLORATION DIVISION, NASA

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

SOLAR TERRESTRIAL INTERACTIONS

AMPTC LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,

SOLAR WIND

SUBJECT INDEX

COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY [NASA RELEASE-84-170] P84-10251 06

SOLAR WIND

AMTE LAUNCH SCHEDULED [NASA RELEASE-84-109] P84-10126 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR MISSION [NASA RELEASE-84-127] P84-10182 06

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE PROBE [NASA RELEASE-84-140] P84-10195 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY [NASA RELEASE-84-170] P84-10251 06

SOLID ROCKET BOOSTERS

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BIGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABBAMONSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10168 05

NASA SELECTS USBI FOR SEE ASSEMBLY AND REBURNISHMENT CONTRACT [NASA RELEASE-84-118] P84-10173 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SOLID ROCKET MOTOR

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT GROUP, POINT CLEAR, ALA. P84-10154 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

SOLID STATE PHYSICS

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SOUNDING ROCKETS

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION [NASA RELEASE-84-88] P84-10105 06

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05

STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE P84-10203 05

SOUTH AMERICA

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

SOUTH POLE

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK [NASA RELEASE-84-173] P84-10254 06

SOUTHERN EDUCATIONAL COMMUNICAT. ASSOC.

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06

SOVIET SPACECRAFT

SA COSMOS SATELLITES

SA COSPAS

SA SARYUT ORBITING SPACE STATION

SA VENERA LANDERS

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

SOVIET UNION

S U.S.S.R.

SOYUZ SPACECRAFT

S ORBITAL MODULE

SPACE ACT AWARD

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER BREAKTHROUGH [NASA RELEASE-84-86] P84-10103 06

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL DEVELOPMENT [NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SPACE ACT OF 1958, NASA

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

STATEMENT OF S. NEIL HOSENBALL BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10171 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY [NASA RELEASE-84-158] P84-10239 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

SPACE ADAPTATION

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

SPACE BASE

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SPACE BIOLOGY

S EXOBIOLOGY

SUBJECT INDEX

SPACE COMMERCIALIZATION

SPACE COLONIZATION

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

SPACE COMMERCIALIZATION

NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL DELTA PROGRAM [NASA RELEASE-84-2] P84-10002 06

NASA ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE [NASA RELEASE-84-14] P84-10014 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE FACILITY [NASA RELEASE-84-29] P84-10029 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING P84-10036 05

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR COMMERCIAL USE [NASA RELEASE-84-98] P84-10115 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10138 05

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

SUGGESTED REMARKS: 41-E MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA.

P84-10150 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY P84-10218 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY P84-10224 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY [NASA RELEASE-84-158] P84-10239 06

SPACE DOCKING

SUBJECT INDEX

HEARTH TO LEAVE LANGLEY, PETERSEN NAME DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACE DOCKING

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

SPACE ENVIRONMENT SIMULATION

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SPACE EXPLORATION

SA PLANETARY EXPLORATION

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACE FLIGHT OBSERVATIONS

S MANNE SPACE FLIGHT

SPACE FLIGHT PARTICIPATION PROGRAM

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

SPACE FLIGHT SIMULATION

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

SPACE FLIGHT STRESS

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, HOFFETT FIELD, CALIF.
P84-10219 05

SPACE FLIGHT, CONTROL AND DATA COMMUN.

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SPACE FLIGHTS

SA MANNE SPACE FLIGHT

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACE INDUSTRIALIZATION

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SPACE INDUSTRIES INC., HOUSTON, TEX.

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL
SPACE FACILITY
[NASA RELEASE-84-29] P84-10029 06

SPACE INFRARED TELESCOPE FACILITY

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

SPACE MAINTENANCE

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,

SUBJECT INDEX

SPACE PROCESSING

COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10040 05

SOLAR MAX REPAIR, IDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

SPACE MANUFACTURING

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR COMMERCIAL USE [NASA RELEASE-84-98] P84-10115 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUI-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METEOROLOGICAL CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ECSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

SPACE NUCLEAR REACTOR POWER SYSTEMS

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

SPACE PHYSICS

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-57] P84-10074 06

STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

SPACE POWER

SA SOLAR CELLS

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM [NASA RELEASE-84-103] P84-10120 06

SPACE PROBES

S PIONEER VENUS PROBE
S PIONEER 10

SPACE PROCESSING

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE [NASA RELEASE-84-14] P84-10014 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE FACILITY [NASA RELEASE-84-29] P84-10029 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS [NASA RELEASE-84-61] P84-10078 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L [NASA RELEASE-84-69] P84-10086 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74] P84-10091 06

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR COMMERCIAL USE [NASA RELEASE-84-98] P84-10115 06

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

SPACE PROGRAMS

SUBJECT INDEX

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147] P84-10227 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148] P84-10228 06

DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149] P84-10229 06

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

SPACE PROGRAMS

SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C. P84-10033 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING P84-10036 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM P84-10208 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

SPACE RADIATION

S GALACTIC RADIATION

SPACE REFUELING

SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C. P84-10033 05

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION [NASA RELEASE-84-132] P84-10187 06

SPACE RESEARCH AND TECHNOLOGY

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SPACE SCIENCE AND APPLICATIONS PROGRAM

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,

COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SPACE SCIENCE BOARD, NAS-NRC

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS P84-10209 05

SPACE SCIENCES

SA COSMOLOGY

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

SPACE SERVICES INC., HOUSTON, TEX.

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

SPACE SHUTTLE MAIN ENGINE

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10137 05

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SPACE SHUTTLE MISSION 41-B

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB MISSION [NASA RELEASE-84-13] P84-10013 06

NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE [NASA RELEASE-84-116] P84-10133 06

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SPACE SHUTTLE MISSION 41-C

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C [NASA RELEASE-84-27] P84-10027 06

SUBJECT INDEX

SPACE SHUTTLE MISSION 51-L

SHUTTLE MISSION 41-C BRIEFINGS SET [NASA RELEASE-84-28]	P84-10028	06	NASA AND 3M COMPANY SIGN JOINT AGREEMENT [NASA RELEASE-84-143]	P84-10198	06
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38]	P84-10055	06	DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION [NASA RELEASE-84-144]	P84-10199	06
NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON MISSION 41-C [NASA RELEASE-84-47]	P84-10064	03	DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149]	P84-10229	06
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53]	P84-10070	06	NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION [NASA RELEASE-84-154]	P84-10234	06
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES	P84-10140	05	51-A FLIGHT DIRECTORS BRIEFING	P84-10266	05
STS 51-1 SATELLITE RETRIEVAL BRIEFING	P84-10267	05	STS 51-1 SATELLITE RETRIEVAL BRIEFING	P84-10267	05
STS 51-1 SATELLITE RETRIEVAL BRIEFING	P84-10267	05	STS 51-A PREFLIGHT CREW PRESS CONFERENCE	P84-10268	05
SPACE SHUTTLE MISSION 41-D SHUTTLE MISSION 41-D LAUNCH DATE ADJUSTED [NASA RELEASE-84-46]	P84-10063	06	SPACE SHUTTLE MISSION 51-B NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177]	P84-10258	06
SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS [NASA RELEASE-84-60]	P84-10077	06	SPACE SHUTTLE MISSION 51-C NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION [NASA RELEASE-84-154]	P84-10234	06
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D [NASA RELEASE-84-69]	P84-10086	06	NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED SHUTTLE MISSION [NASA RELEASE-84-171]	P84-10252	06
AUGUST SHUTTLE MISSION DEFINED [NASA RELEASE-84-95]	P84-10112	06	SPACE SHUTTLE MISSION 51-D TWO SHUTTLE CREWS NAMED BY NASA [NASA RELEASE-84-11]	P84-10011	06
LAUNCH DATE SET FOR SHUTTLE MISSION 41-D P84-10129	06		HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR SHUTTLE FLIGHTS [NASA RELEASE-84-89]	P84-10106	06
SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150	05		NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177]	P84-10258	06
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D [NASA RELEASE-84-117]	P84-10172	06	SPACE SHUTTLE MISSION 51-E NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06
SPACE SHUTTLE MISSION 41-F AUGUST SHUTTLE MISSION DEFINED [NASA RELEASE-84-95]	P84-10112	06	NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177]	P84-10258	06
SPACE SHUTTLE MISSION 41-G CREW MEMBER ADDED TO SHUTTLE MISSION 41-G [NASA RELEASE-84-76]	P84-10093	06	SPACE SHUTTLE MISSION 51-F NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148]	P84-10228	06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06	NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177]	P84-10258	06
LAUNCH DATE SET FOR 41-G SHUTTLE MISSION [NASA RELEASE-84-132]	P84-10187	06	SPACE SHUTTLE MISSION 51-G NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133]	P84-10188	06	NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177]	P84-10258	06
SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA	P84-10214	05	SPACE SHUTTLE MISSION 51-H NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE FLIGHTS [NASA RELEASE-84-71]	P84-10088	06
STS 51-A PREFLIGHT CREW PRESS CONFERENCE	P84-10268	05	SPACE SHUTTLE MISSION 51-I HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR SHUTTLE FLIGHTS [NASA RELEASE-84-89]	P84-10106	06
SPACE SHUTTLE MISSION 51-A NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON SHUTTLE [NASA RELEASE-84-12]	P84-10012	06	NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148]	P84-10228	06
AUGUST SHUTTLE MISSION DEFINED [NASA RELEASE-84-95]	P84-10112	06	SPACE SHUTTLE MISSION 51-K NASA NAMES THREE MEMBERS OF 51-K CREW [NASA RELEASE-84-23]	P84-10023	06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06	SPACE SHUTTLE MISSION 51-L NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06
NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE [NASA RELEASE-84-116]	P84-10133	06			
NASA WILL RETRIEVE SECOND SATELLITE ON 51-A SHUTTLE MISSION [NASA RELEASE-84-136]	P84-10191	06			

SPACE SHUTTLE MISSION 61-A

SUBJECT INDEX

SPACE SHUTTLE MISSION 61-A

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SPACE SHUTTLE MISSION 61-D

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SPACE SHUTTLE MISSION 61-E

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

SPACE SHUTTLE MISSIONS

SA SPACE SHUTTLE MISSION 41-E
SA SPACE SHUTTLE MISSION 41-C
SA SPACE SHUTTLE MISSION 41-D
SA SPACE SHUTTLE MISSION 41-F
SA SPACE SHUTTLE MISSION 41-G
SA SPACE SHUTTLE MISSION 51-A
SA SPACE SHUTTLE MISSION 51-B
SA SPACE SHUTTLE MISSION 51-C
SA SPACE SHUTTLE MISSION 51-D
SA SPACE SHUTTLE MISSION 51-E
SA SPACE SHUTTLE MISSION 51-F
SA SPACE SHUTTLE MISSION 51-G
SA SPACE SHUTTLE MISSION 51-H
SA SPACE SHUTTLE MISSION 51-I
SA SPACE SHUTTLE MISSION 51-L
SA SPACE SHUTTLE MISSION 61-A
SA SPACE SHUTTLE MISSION 61-E

NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SPACE SHUTTLE OPERATIONS

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

SPACE SHUTTLE ORBITERS

SA ATLANTIS
SA CHALLENGER
SA COLUMBIA
SA DISCOVERY

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF JAMES A. AERHAMSOM BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SPACE SHUTTLE PAYLOADS

SA EARTH OBSERVATION MISSION EXPERIMENTS
SA GETAWAY SPECIALS
SA OAST-1
SA OAST-2
SA OAST-3

SA SPACE INFRARED TELESCOPE FACILITY

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
MISSION 41-C
[NASA RELEASE-84-47] P84-10064 03

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-E
[NASA RELEASE-84-69] P84-10086 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
CONTRACT AWARDED
[NASA RELEASE-84-113] P84-10130 06

STATEMENT BY JESSE W. MOORE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE
[NASA RELEASE-84-137] P84-10192 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

SUBJECT INDEX

SPACE SHUTTLES

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148] P84-10228 06

DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149] P84-10229 06

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT [NASA RELEASE-84-151] P84-10231 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177] P84-10258 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT [NASA RELEASE-84-178] P84-10259 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

SPACE SHUTTLE PROGRAM OFFICE, NASA

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

SPACE SHUTTLES

NASA BEGINS SCREENING ASTRONAUT APPLICANTS [NASA RELEASE-84-15] P84-10015 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE FACILITY [NASA RELEASE-84-29] P84-10029 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING P84-10036 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT C. AILER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE [NASA RELEASE-84-41] P84-10058 06

LEWIS CENTER AWARDS CONTRACT FOR TWO SHUTTLE/CENTAUR VEHICLES [NASA RELEASE-84-44] P84-10061 06

NASA SELECTS 17 ASTRONAUT CANDIDATES [NASA RELEASE-84-64] P84-10081 06

STATEMENT BY WILLIAM A. ANDERS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10134 05

STATEMENT OF DONALD P. HEATH BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10135 05

STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10137 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT GROUP, POINT CLEAR, ALA. P84-10154 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10168 05

NASA SELECTS USBI FOR SRB ASSEMBLY AND REFURBISHMENT CONTRACT [NASA RELEASE-84-118] P84-10173 06

NASA TO FLY EDUCATOR ON SHUTTLE MISSION [NASA RELEASE-84-122] P84-10177 06

41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND CINEMA-360 [NASA RELEASE-84-124] P84-10179 06

SPACE STATION PROPOSALS SOUGHT [NASA RELEASE-84-130] P84-10185 06

STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE P84-10203 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

SPACE STATION POLAR PLATFCEN

SUBJECT INDEX

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175] P84-10256 06

SUGGESTED REMARKS: AFFILIATE PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COCHRAN SPRINGS, COLORADO
P84-10263 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

SPACE STATION POLAR PLATFCEN

STATEMENT BY SHEILY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SPACE STATION PROGRAM

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT BY JAMES R. MCFARSON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

SPACE STATION TASK FORCE

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SPACE STATIONS

SA LEASICRAFT
SA REUSABLE CRITICAL TRANSPORT
SA SALLYOT ORBITING SPACE STATION
S SPACE STATIONS

JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
[NASA RELEASE-84-25] P84-10025 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL
SPACE FACILITY
[NASA RELEASE-84-29] P84-10029 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85] P84-10102 06

NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

SUBJECT INDEX

SPACE TRANSPORTATION SYSTEM

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: WHITE HOUSE EVENT
P84-10207 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MCFFETT FIELD, CALIF. P84-10219 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

SPACE TELESCOPE

S HUBBLE SPACE TELESCOPE

SPACE TELESCOPE SCIENCE INSTITUTE

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SPACE TOOLS

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

SPACE TRANSPORTATION SYSTEM

SA ORBIT TRANSFER VEHICLES
SA SPACE SHUTTLE MISSION 41-C
SA SPACE SHUTTLE ORBITERS

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

STATEMENT BY WILLIAM A. ANDERS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10134 05

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

STATEMENT BY JESSE W. MOORE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10138 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,

SPACE TRANSPORTATION SYSTEM FLIGHTS

SUBJECT INDEX

FLORIDA P84-10214 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR [NASA RELEASE-84-163] P84-10244 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177] P84-10258 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

SPACE TRANSPORTATION SYSTEM FLIGHTS

SA SPACE SHUTTLE MISSION 41-E

SA SPACE SHUTTLE MISSION 41-G

SA SPACE SHUTTLE MISSION 51-A

SA SPACE SHUTTLE MISSION 51-D

SA SPACE SHUTTLE MISSION 51-K

SA SPACE SHUTTLE MISSION 61-L

SA STS-4

SA STS-8

SA STS-9

SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C. P84-10033 05

TELEPHONE SERVICE TO BE AVAILABLE FOR SHUTTLE MISSION [NASA RELEASE-84-48] P84-10065 06

NASA TO FLY EDUCATOR ON SHUTTLE MISSION [NASA RELEASE-84-122] P84-10177 06

SPACE TRAVEL

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06

SPACE VEHICLE SYSTEMS

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES [NASA RELEASE-84-85] P84-10102 06

SPACE WEAPONS SYSTEM

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SPACEBORNE ASTRONOMY

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

SPACEBORNE EXPERIMENTS

SA EARTH OBSERVATION MISSION EXPERIMENTS

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE [NASA RELEASE-84-14] P84-10014 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C. P84-10033 05

SOLAR MAX REPAIR, IDEF EMPLOYMENT HIGHLIGHT SHUTTLE FLIGHT [NASA RELEASE-84-38] P84-10055 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE [NASA RELEASE-84-54] P84-10071 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-57] P84-10074 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L [NASA RELEASE-84-69] P84-10086 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE FLIGHTS

[NASA RELEASE-84-71] P84-10088 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74] P84-10091 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82] P84-10099 06

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK PARK FIRM [NASA RELEASE-84-103] P84-10120 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C. P84-10152 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION [NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION [NASA RELEASE-84-144] P84-10199 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA P84-10214 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE P84-10236 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

SPACECRAFT

SA COSPAS

SA MARINER MARK 2 SPACECRAFT

SA SOVIET SPACECRAFT

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53] P84-10070 06

SPACECRAFT CONFIGURATIONS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA [NASA RELEASE-84-22] P84-10022 06

STATEMENT OF DONALD P. HEARTH BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10135 05

NASA TO LAUNCH THIRD GALAXY SATELLITE [NASA RELEASE-84-128] P84-10183 06

SPACECRAFT DESIGN

SA SPACE VEHICLE SYSTEMS

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10040 05

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES [NASA RELEASE-84-85] P84-10102 06

SUBJECT INDEX

SPACECREWS

NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

SPACECRAFT FAILURE
NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

SPACECRAFT LAUNCHING
HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SPACECRAFT LIFE EXPECTANCY
NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
[NASA RELEASE-84-102] P84-10119 06

NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACECRAFT MAINTENANCE
STATEMENT BY JESSE W. MCCREY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10169 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACECRAFT MANEUVERS
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

SPACECRAFT PERFORMANCE
ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

SPACECRAFT POWER SUPPLIES
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

SPACECRAFT PROPULSION
NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SPACECRAFT STABILIZATION
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

SPACECRAFT TRACKING
STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

SPACECRAFT TRAJECTORIES
SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

SPACECREWS
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

SPACEFLIGHT TRACKING AND DATA NETWORKS

SUBJECT INDEX

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION
[NASA RELEASE-84-155] P84-10235 06

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED
SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

SPACEFLIGHT TRACKING AND DATA NETWORKS

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

SPACELAB

SA SPACELAB 2
SA SPACELAB 4

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB
MISSION
[NASA RELEASE-84-13] P84-10013 06

NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

SPACELAB 2

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

SUBJECT INDEX

STELLAR RADIATION

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

SPACELAB 3
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

SPACELAB 4
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

SPAR AEROSPACE LTD.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

SPARTAN SATELLITES
AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

SPARX-1
STATEMENT OF JAMES A. AERHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

SPECIFIC IMPULSE
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

SPECTROGRAPHS
BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

SPECTROMETERS
SA INFRARED SPECTROMETER
SA PHOTOMETERS
SA ULTRAVIOLET SPECTROMETER
SA X-RAY SPECTROMETER

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

SPECTROSCOPY
S ULTRAVIOLET SPECTROSCOPY

SPIN RESISTANCE
SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

SBB
S SOLID ROCKET BOOSTERS

SRI INTERNATIONAL CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

SEM
S SOLID ROCKET MOTOR

STA
S SHUTTLE TRAINING AIRCRAFT

STABILIZATION
S SPACECRAFT STABILIZATION

STALL/SPIN RESEARCH
NASA TO PARTICIPATE IN CSMKOSH AVIATION EXHIBITION
[NASA RELEASE-84-92] P84-10109 06

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

STANDARD OIL COMPANY, CLEVELAND, OHIO
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

STANDARDS
NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

STAR
S SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

STAR WARS SCENARIO
S STRATEGIC DEFENSE INITIATIVE PROGRAM

STARLETTE SATELLITE
NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY
[NASA RELEASE-84-52] P84-10069 06

STARS
SA ALPHA LYRAE
SA ALPHA PISCIS AUSTRINI
SA BETA PICTORIS
SA DWARF STARS
SA FOMALHAUT (ALPHA PSA) STAR
SA GALAXIES
SA GLOBULAR CLUSTERS
SA NEUTRON STARS
SA PULSARS
SA VEGA STAR
SA WHITE DWARF STARS

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C.
P84-10212 05

STATIONS
S GROUND STATIONS
S LUNAR BASES

SIDN
S SPACEFLIGHT TRACKING AND DATA NETWORKS

STELLAR CORONAS
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

STELLAR ENVELOPES
PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

STELLAR EVOLUTION
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

STELLAR FLARES
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

STELLAR RADIATION
ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

STIRLING CYCLE

SUBJECT INDEX

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

STIRLING CYCLE

NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE
YEAR
[NASA RELEASE-84-87] P84-10104 06

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
[NASA RELEASE-84-103] P84-10120 06

STOL AIRCRAFT

S V/STOL AIRCRAFT

STOVL AIRCRAFT

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

SUGGESTED REMARKS: AERC CLUB OF WASHINGTON, D.C.
P84-10144 05

STRATEGIC DEFENSE INITIATIVE PROGRAM

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

STRATOSPHERIC SOUNDING UNIT

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

STRESS MEASUREMENT

MARSHALL CENTER TO CONDUCT PAM NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

STRUCTURAL ENGINEERING

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STS-4

WAITINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

STS-8

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STS-9

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUBSONIC AIRCRAFT

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: AERC CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUBSYSTEMS

S COMMAND SUBSYSTEMS

SUCTION

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

SULFUR DIOXIDE

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

SUN

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR ECLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SUNDSTRAND CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

SUPERCOMPUTERS

CRAY-2 TO BE USED IN NASA RESEARCH
[NASA RELEASE-84-55] P84-10073 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

SUPERHIGH FREQUENCIES

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUPERSONIC AIRCRAFT

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUPERSONIC COMBUSTION RAMJET ENGINES

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUPERSONIC COMMERCIAL AIR TRANSPORT

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
WASHINGTON, D.C. P84-10225 05

SUPERSONIC FLIGHT

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY
DESIGN
[NASA RELEASE-84-162] P84-10243 06

SUPERSONIC TRANSPORT

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUPPORT SERVICES

SA LAUNCH SUPPORT SERVICES
SA LIFE SUPPORT SYSTEMS

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NOAA
[NASA RELEASE-84-49] P84-10066 06

SURFACE ROUGHNESS

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

SURVEILLANCE

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SURVEYOR PROJECT

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

SUBJECT INDEX

TECHNOLOGY UTILIZATION PROGRAM

SWEDEN

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

SWING-ARM BEAM ERECTOR
S WORK PLATFORMS

SWITZERLAND

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

SYNCHRONOUS ORBIT

DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

SYNCOM SATELLITES

SA LEASAT

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

SYSTEMS ENGINEERING

SA SPACE VEHICLE SYSTEMS

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PAK FIRM
[NASA RELEASE-84-103] P84-10120 06

T

TAIL ASSEMBLIES

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

TANKSLEY /W.L./ AND ASSOCIATES, INC.

NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PAK FIRM
[NASA RELEASE-84-103] P84-10120 06

TDRSS

S TRACKING AND DATA RELAY SATELLITE SYSTEM

TECHNOLOGY TRANSFER

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: COMECATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10166 05

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY
[NASA RELEASE-84-158] P84-10239 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

TECHNOLOGY UTILIZATION PROGRAM

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF

TECTONICS

SUBJECT INDEX

REPRESENTATIVES P84-10164 05
 STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10166 05
 NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
 DEVELOPMENT
 [NASA RELEASE-84-167] P84-10248 06
 SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
 APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
 UNIVERSITY, LAUREL, MARYLAND P84-10262 05

TECTONICS

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
 [NASA RELEASE-84-133] P84-10188 06

TEFLON /TRADEMARK/

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
 P84-10265 05

TELEDYNE BROWN ENGINEERING

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
 [NASA RELEASE-84-159] P84-10240 06

NASA SELECTS BEECH COMPUTER SERVICES FOR
 COMMUNICATIONS CONTRACT
 [NASA RELEASE-84-176] P84-10257 06

TELEDYNE INC.

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10039 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
 SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
 MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF RONALD J. PHILLIPS BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10164 05

TELEMETRY

SA BIOTELEMETRIES

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA
 [NASA RELEASE-84-22] P84-10022 06

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
 [NASA RELEASE-84-70] P84-10087 06

STATEMENT OF ROBERT O. MILLER BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10165 05

TELEPHONE COMMUNICATIONS

TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB
 MISSION
 [NASA RELEASE-84-13] P84-10013 06

TELEPHONE SERVICE TO BE AVAILABLE FOR SHUTTLE
 MISSION
 [NASA RELEASE-84-48] P84-10065 06

TELESAT CANADA

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10039 05

DISCOVERY'S SECOND MISSION SCHEDULED
 [NASA RELEASE-84-149] P84-10229 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
 P84-10268 05

TELESAT SATELLITES

S ANIK SATELLITES

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
 FLIGHTS IN 1985
 [NASA RELEASE-84-177] P84-10258 06

TELESCOPES

SA DAVIS PLANETARIUM, JACKSON, MISS.
 SA HUBBLE SPACE TELESCOPE
 SA INFRARED TELESCOPES
 SA SHUTTLE INFRARED TELESCOPE FACILITY
 SA ULTRAVIOLET TELESCOPES
 SA X-RAY TELESCOPE

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
 STAR
 [NASA RELEASE-84-146] P84-10226 06

TELEVISION

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
 P84-10265 05

TELEVISION EQUIPMENT

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
 [NASA RELEASE-84-62] P84-10079 06

TELEVISION TRANSMISSION

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
 [NASA RELEASE-84-4] P84-10004 06

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
 [NASA RELEASE-84-7] P84-10007 06

TELSTAR SATELLITES

AUGUST SHUTTLE MISSION DEFINED
 [NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
 FLIGHTS IN 1985
 [NASA RELEASE-84-177] P84-10258 06

TEMPERATURE CONTROL

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
 WESTCHESTER COUNTY, N.Y. P84-10213 05

TEMPERATURE MEASUREMENT

NASA SPACE SHUTTLE TO CARRY TOMATO SEEDS ON
 MISSION 41-C
 [NASA RELEASE-84-47] P84-10064 03

TEMPLE UNIV., PHILADELPHIA, PA.

NASA SELECTS UNIVERSITIES FOR RESEARCH
 [NASA RELEASE-84-147] P84-10227 06

TENNESSEE

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
 FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
 [NASA RELEASE-84-153] P84-10223 05

TENNESSEE TECHNOLOGICAL UNIV.

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
 SHUTTLE FLIGHT
 [NASA RELEASE-84-38] P84-10055 06

TESTS

S FLIGHT TESTS
 S ORBITAL FLIGHT TESTS

TETHERED SATELLITES

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN L.
 HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
 APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10040 05

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
 [NASA RELEASE-84-54] P84-10071 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06

TEXAS UNIV., AUSTIN

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
 [NASA RELEASE-84-173] P84-10254 06

SUBJECT INDEX

TPS

TEXAS UNIV., DALLAS
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

THAILAND
STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

THERMATIC MAPPER
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06
NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO
NOAA
[NASA RELEASE-84-49] P84-10066 06

THERMACORE, INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

THERMAL CONTROL
NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
[NASA RELEASE-84-31] P84-10048 06

THERMAL CONTROL COATINGS
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
P84-10264 05

THERMAL PROTECTION
S INSULATION

THERMAL PROTECTION SYSTEM
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06
STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06
SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05
NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION
[NASA RELEASE-84-154] P84-10234 06

THERMAL STRESSES
MARSHALL CENTER TO CONDUCT FAN NOZZLE TESTS
[NASA RELEASE-84-172] P84-10253 06

THERMO ELECTRON CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

THIN FILMS
SM ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14] P84-10014 06
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
SUGGESTED REMARKS: METEOROLOGICAL CLUB, WASHINGTON,
D.C. P84-10145 05
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05
ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

THIokol CORP.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06
NASA TO LAUNCH THIRD GALAXY SATELLITE
[NASA RELEASE-84-128] P84-10183 06

THOMAS JEFFERSON UNIV., PHILADELPHIA, PA.
NASA SELECTS UNIVERSITIES FOR RESEARCH
[NASA RELEASE-84-147] P84-10227 06

THRUST LOADS
SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

THRUST POWER
S PROPULSION

THUNDERSTORMS
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

TILT MOTOR RES. AIRCRAFT TECHNOL. PROGRAM
SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

TIROS METEOROLOGICAL SATELLITES
S TIROS N

TIROS N
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06
ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

TIROS N SERIES SATELLITES
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

TITAN
COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
[NASA RELEASE-84-43] P84-10060 06

TITAN 1
S LAUNCH VEHICLES

TITANIUM
LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

TOLEDO UNIV., OHIO
TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

TOOLING
STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

TOPEX /OCEAN TOPOGRAPHY EXPERIMENT/
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05
NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
[NASA RELEASE-84-41] P84-10058 06
STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05
HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06
SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

TOYOTA MOTOR CO.
SUGGESTED REMARKS: MORTON THIokol MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

TPS
S THERMAL PROTECTION SYSTEM

TRACKING AND DATA ACQUISITION

SUBJECT INDEX

TRACKING AND DATA ACQUISITION

SA DEEP SPACE NETWORK
SA GROUND STATIONS
SA SPACEFLIGHT TRACKING AND DATA NETWORKS

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

TRACKING AND DATA RELAY SATELLITE SYSTEM

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

FISCAL YEAR 1965 BUDGET PRESS BRIEFING
P84-10032 05

NASA BUDGET PRESS CONFERENCE P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABBAMONSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLEN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

STATEMENT OF ROBERT O. ALLEN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148] P84-10228 06

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS IN 1985 [NASA RELEASE-84-177] P84-10258 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

TRACKING STATIONS

S GROUND STATIONS
S MADRID TRACKING STATION, SPAIN

TRAFFIC SURVEILLANCE

STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

TRAFFIC SURVEYS

STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

TRAINING SIMULATORS

STATEMENT OF RONALD J. PHILLIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10164 05

TRAJECTORY

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR MISSION
[NASA RELEASE-84-127] P84-10182 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT [NASA RELEASE-84-178] P84-10259 06

TRANS-CENTURY TRANSPORT

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

TRANSATMOSPHERIC VEHICLES

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

TRANSFER ORBIT STAGE

STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10169 05

TRANSMISSION

S RADIO TRANSMISSION
S TELEVISION TRANSMISSION

TRANSMITTERS

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF [NASA RELEASE-84-7] P84-10007 06

TRANSPACE CARRIERS, INC.

NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL DELTA PROGRAM [NASA RELEASE-84-2] P84-10002 06

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

TRANSPONDERS

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53] P84-10070 06

TRANSPORT AIRCRAFT

SA SUPERSONIC COMMERCIAL AIR TRANSPORT
SA SUPERSONIC TRANSPORT

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH [NASA RELEASE-84-123] P84-10178 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY [NASA RELEASE-84-161] P84-10242 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

TRANSPORTATION

SA CIVIL AVIATION
SA COMMERCIAL AVIATION

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

TRANSPORTATION, DEPARTMENT OF
S DEPARTMENT OF TRANSPORTATION

TRAPPED IONS IN SPACE EXPERIMENTS

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

TROPOPAUSE

NEW RESEARCH ON CLEAR-AIR TURBULENCE [NASA RELEASE-84-165] P84-10246 06

TRW SYSTEMS, INC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06

TRW SYSTEMS, REDONDO BEACH, CALIF.

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

TRW, INC., CLEVELAND, OHIO

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO

SUBJECT INDEX

U. S. S. R.

P84-10264 05
TRW, INC., REDONDC BEACH, CALIF.
 NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
 [NASA RELEASE-84-18] P84-10018 06
 NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
 [NASA RELEASE-84-70] P84-10087 06
 NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
 VEHICLE STUDY
 [NASA RELEASE-84-102] P84-10119 06
 ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE
 CONTRACT AWARDED
 [NASA RELEASE-84-113] P84-10130 06
 NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
 COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
 P84-10206 05

TURBINE BLADES
 STATEMENT OF WILLIAM R. LUCAS BEFORE THE
 SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10136 05

TURBINE ENGINES
 SA GAS TURBINE ENGINES
 SA GENERAL AVIATION TURBINE ENGINES
 NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
 PARK FIRM
 [NASA RELEASE-84-103] P84-10120 06
 SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
 P84-10144 05

TURBINE PUMPS
 STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10039 05
 STATEMENT OF WILLIAM R. LUCAS BEFORE THE
 SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10136 05

TURBOPROPS
 STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
 COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
 UNITED STATES SENATE P84-10038 05
 STATEMENT OF JOHN J. MARTIN BEFORE THE
 SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
 MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10041 05
 STATEMENT BY JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
 P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
 SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES,
 COMMITTEE ON APPROPRIATIONS, HOUSE OF
 REPRESENTATIVES P84-10140 05
 SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
 P84-10144 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
 CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
 HONOR AWARDS CEREMONY, CLEVELAND, OHIO
 P84-10264 05

TURBOPUMPS
 S TURBINE PUMPS

TURBULENCE
 SA CLEAR AIR TURBULENCE
 NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
 CAUSE TURBULENCE
 [NASA RELEASE-84-3] P84-10003 06

SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
 SUSPENDED
 [NASA RELEASE-84-21] P84-10021 06

STATEMENT OF JOHN J. MARTIN BEFORE THE
 SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
 MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
 HOUSE OF REPRESENTATIVES P84-10041 05

TURNAROUND TIME (STS)
 STATEMENT BY JESSE W. MOORE BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10137 05

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10169 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10205 05

U

U.S.S.R.
 NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
 CAUSE TURBULENCE
 [NASA RELEASE-84-3] P84-10003 06
 SPACE RESEARCH INDICATES GRAVITY AFFECTS ECNE GROWTH
 [NASA RELEASE-84-16] P84-10016 06
 U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
 SOVIET SATELLITE
 [NASA RELEASE-84-17] P84-10017 06
 SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
 LOUIS P84-10030 05
 SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
 MISSOURI P84-10031 05
 SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
 YEAR AWARDS BANQUET P84-10035 05
 SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06
 PICNEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
 [NASA RELEASE-84-88] P84-10105 06
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
 SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
 ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
 P84-10147 05
 SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
 GROUP, POINT CLEAR, ALA. P84-10154 05
 STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
 SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
 RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
 TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05
 STATEMENT BY JAMES R. MORRISON BEFORE THE
 COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
 P84-10203 05
 NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
 COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
 P84-10206 05
 SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
 WASHINGTON, D.C. P84-10220 05
 SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
 ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
 ARLINGTON, VIRGINIA P84-10221 05
 SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION,
 WASHINGTON, D.C. P84-10225 05

ULTRAHIGH FREQUENCIES

SUBJECT INDEX

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

ULTRAHIGH FREQUENCIES

NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

ULTRASONICS

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

ULTRAVIOLET ASTRONOMY

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

ULTRAVIOLET RADIATION

S. EXTREME UV RADIATION

ULTRAVIOLET SPECTROMETER

SOLAR MAX REPAIR, DEEP DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

ULTRAVIOLET SPECTROSCOPY

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

ULTRAVIOLET TELESCOPES

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

ULYSSES MISSION

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. AERAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR
MISSION
[NASA RELEASE-84-127] P84-10182 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

UNIQUE RESEARCH CC.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

UNITED AIRCRAFT CORP.

S. HAMILTON STANDARD
S. PRATT AND WHITNEY AIRCRAFT

UNITED KINGDOM

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

AMPTC LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

IRAS ASTRONOMICAL CATALOG AVAILABLE
[NASA RELEASE-84-169] P84-10250 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

UNITED KINGDOM SATELLITES

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

UNITED SPACE BOOSTERS, INC.

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

NASA SELECTS USBI FOR SRB ASSEMBLY AND
REFURBISHMENT CONTRACT
[NASA RELEASE-84-118] P84-10173 06

SUBJECT INDEX

VANDENBERG AFB, CALIF.

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, CCLCRADC SPRINGS, COLORADO P84-10263 05

UNITED TECHNOLOGIES RESEARCH CENTER, CONN.
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10041 05

UNITED TECHNOLOGY CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK [NASA RELEASE-84-159] P84-10240 06

UNIVERSE
SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05
SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE LUNCHEON, MISSOURI P84-10216 05
SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05
ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

UNIVERSITY CITY SCI. CTR., PHILADELPHIA
NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147] P84-10227 06

UNIVERSITY PROGRAMS
NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS [NASA RELEASE-84-61] P84-10078 06
NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147] P84-10227 06

UNMANNED SPACE FLIGHT PROGRAM
S MARINER PROJECT
S SURVEYOR PROJECT
S VOYAGER PROJECT

UPPER ATMOSPHERE
NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE [NASA RELEASE-84-54] P84-10071 06

UPPER ATMOSPHERE RESEARCH SATELLITE
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05
FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05
NASA BUDGET PRESS CONFERENCE P84-10037 05
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05
STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE P84-10139 05
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUL-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05
STATEMENT BY SHELEY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

UPPER STAGE ROCKET ENGINES
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10039 05
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05
STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10205 05
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

URANUS /PLANET/
COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS [NASA RELEASE-84-43] P84-10060 06

URANUS ENCOUNTER
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

URANUS RINGS
RINGS OF URANUS PHOTOGRAPHED FOR FIRST TIME [NASA RELEASE-84-145] P84-10200 06

URBAN PROBLEMS
S ECONOMIC IMPACT

UTAH STATE UNIV.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE [NASA RELEASE-84-4] P84-10004 06
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L [NASA RELEASE-84-69] P84-10086 06
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

V

V/STOL AIRCRAFT
SA ROTARY WING AIRCRAFT
NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION [NASA RELEASE-84-92] P84-10109 06

VACCINES
SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05
SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

VACUUM TECHNOLOGY
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

VALVE TECHNOLOGY
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE [NASA RELEASE-84-133] P84-10188 06

VAN ALLEN RADIATION BELT
ARFTE LAUNCH SCHEDULED [NASA RELEASE-84-109] P84-10126 06

VANDENBERG AFB, CALIF.
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05
NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO NOAA [NASA RELEASE-84-49] P84-10066 06
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10136 05

VARIABLE CYCLE ENGINES

SUBJECT INDEX

STATEMENT BY JESSE W. MCCRE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

ENTERPRISE TO LEAPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

VARIABLE CYCLE ENGINES
SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

VARIAN INC., PALO ALTO, CALIF.
NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
[NASA RELEASE-84-7] P84-10007 06

VEGA SPACECRAFT
STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

VEGA STAR
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE
SOLAR SYSTEMS
[NASA RELEASE-84-78] P84-10095 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

VEGETATION
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

VEHICLES
S LAUNCH VEHICLES

VENERA LANDERS
STATEMENT BY JAMES R. MCFRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

VENERA SATELLITES
S VENERA LANDERS

VENUS ATMOSPHERE
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

VENUS RADAR MAPPER
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

VETERANS ADMIN. HOSPITAL, SAN FRANCISCO
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

VETERANS ADMINISTRATION
STATEMENT OF RONALD J. PHILLIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

VIKING PROJECT
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

VIKING SPACECRAFT
NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

VIRGINIA
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

VISIBLE SPECTRUM
BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

VOICE COMMUNICATION
"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-P9
[NASA RELEASE-84-62] P84-10079 06

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

VOLCANOES
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

VORTICES
SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS
SUSPENDED
[NASA RELEASE-84-21] P84-10021 06

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

VOUGHT CORP.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

VOYAGER PROJECT
STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUBJECT INDEX

WEIGHTLESSNESS

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JEL, WASHINGTON, D.C. P84-10215 05

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

W

WAKE VORTEX
S VORTICES

WAKES

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX
FLIGHTS IN 1985
[NASA RELEASE-84-177] P84-10258 06

WALLOPS FLIGHT CENTER, WALLOPS ISLAND, VA.

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10165 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

WALLOPS ISLAND, VA.

STATEMENT BY JAMES R. MCRRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

WASTE HEAT

NASA FINDS AUTOC TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

WASTE MANAGEMENT

STATEMENT BY JESSE W. MCCRE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10205 05

WATER

S SALT WATER

WAVES

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

WEATHER FORECASTING

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

WEATHER SATELLITES

S METEOROLOGICAL SATELLITES

WEIGHT /MASS/

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L
[NASA RELEASE-84-69] P84-10086 06

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

STS 51-L SATELLITE RETRIEVAL BRIEFING
P84-10267 05

WEIGHT REDUCTION

STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
[NASA RELEASE-84-119] P84-10174 06

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

WEIGHTLESSNESS

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON
SOVIET SATELLITE
[NASA RELEASE-84-17] P84-10017 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
[NASA RELEASE-84-61] P84-10078 06

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

WELDING

SUBJECT INDEX

WELDING

STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

WEST GERMANY

S WEST GERMANY

NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SUGGESTED REMARKS: THE CENTEREE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS FAUQUET P84-10035 05

STATEMENT OF JAMES A. AEBRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE
STUDY
[NASA RELEASE-84-52] P84-10069 06

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-57] P84-10074 06

"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
[NASA RELEASE-84-62] P84-10079 06

AMPTC LAUNCH SCHEDULED
[NASA RELEASE-84-109] P84-10126 06

REMARKS PREPARED FOR DELIVERY TO: ANNUAL
CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND
ASTRONAUTICS, WASHINGTON, D.C. P84-10142 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: CONFERENCE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

WEST VIRGINIA

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

WESTAR SATELLITES

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

NASA WILL RETRIEVE SECOND SATELLITE ON 51-A
SHUTTLE MISSION
[NASA RELEASE-84-136] P84-10191 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

WESTERN SPACE & MISSILE CTRL., LOMPOC, CA.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

WESTINGHOUSE ELECTRIC CORP.

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

WESTINGHOUSE ELECTRIC CORP., PITTSBURGH

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

WHITE DWARF STARS

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

WHITE HOUSE CABINET COUNCIL

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

WHITE SANDS, N. MEX.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

STATEMENT OF ROBERT O. ALLER BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10042 05

WIDE FIELD CAMERAS

SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
[NASA RELEASE-84-67] P84-10084 06

WILSON GREAT BATCH

STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

WIND SHEAR

NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

WIND TUNNEL TESTS

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAME TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
[NASA RELEASE-84-32] P84-10049 06

NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS

SUBJECT INDEX

ZIRCONIUM

[NASA RELEASE-84-66] P84-10083 06

LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

WIND TUNNELS
SA DIGITAL WIND TUNNELS
SA NATIONAL TRANSONIC FACILITY

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

WING PROFILES
SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

WINGLETS
NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

WINGS
SA AIRCRAFT WINGS
SA WINGLETS

SUGGESTED REMARKS: AFPC CIUE OF WASHINGTON, D.C.
P84-10144 05

NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

WISCONSIN UNIV., MADISON
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

WOMEN
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

WOODS HOLE OCEANOGRAPHIC INST., MASS.
STATEMENT BY SHELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

WORK PLATFORMS
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

WORKING GROUPS
S INVESTIGATORS WORKING GROUP

WORKSHOPS
TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
[NASA RELEASE-84-94] P84-10111 06

WORLD CLIMATE RESEARCH PROGRAM
STATEMENT BY SHELEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

WORLD METEOROLOGICAL ORGANIZATION
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

WORLD WEATHER WATCH
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

WORLDS FAIR
APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20
[NASA RELEASE-84-99] P84-10116 06

WWW
S WORLD WEATHER WATCH

WYLE LABS., INC.
NASA RECEIVES 13 BIDS FOR SPACE STATION WORK
[NASA RELEASE-84-159] P84-10240 06

X

X-RAY ASTRONOMY
BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

X-RAY SPECTROMETER
SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

X-RAY TELESCOPE
NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
[NASA RELEASE-84-70] P84-10087 06

X-29 AIRCRAFT
SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
P84-10219 05

X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

Y

YOUNG ASTRONAUTS YOUTH ORGANIZATION
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

Z

ZERO GRAVITY
S WEIGHTLESSNESS

ZIRCONIUM
NASA CENTER USES CERAMIC COATINGS TO INCREASE
ROCKET ENGINE LIFE
[NASA RELEASE-84-19] P84-10019 06

SECTION 2

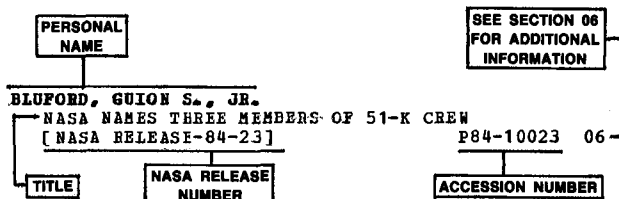
PERSONAL NAMES INDEX

INDEX TO NASA NEWS RELEASES AND SPEECHES

MARCH 1985

1984

Typical Personal Names Index Listing



The title of each news release or speech appears under each name mentioned in the news releases and speeches whether or not the individual is the speaker. When the name refers to the speaker, this fact is indicated with a + to the left of the title. The NASA accession number is located under and to the right of the title of the speech followed by a two-digit number which identifies the section containing the complete entry.

A

A'HEARN, MICHAEL
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

AARON, JOHN W.
SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON
CENTER
[NASA RELEASE-84-50] P84-10067 06

ABRAHAMSON, JAMES A.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

+ STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10039 05

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

ACHESON, DEAN
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

ACTON, LOREN W.
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

ACUNA, MARIO H.
SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE
PROBE
[NASA RELEASE-84-140] P84-10195 06

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

ADAMS, J. H., JR.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

ADAMS, JAMES, JR.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ADAMS, ROBERT H.
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14] P84-10014 06

ADAMSON, JAMES C.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

ADDRESS, STAN
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

ADLER, MORTIMER
SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

ADOLPHSON, JOHN W.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

AERTS, JIM
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

AERTS, MIKE
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

AGOSTO, WILLIAM M.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

ALDRIN, EDWIN EUGENE, JR.
FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20
[NASA RELEASE-84-99] P84-10116 06

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

ALFORD, CHRIS
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

ALIGNIERI, DANTE
SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

NAMES

ALLEN, FRED

PERSONAL NAMES INDEX

ALLEN, FRED

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

ALLEN, H. JULIAN

BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER [NASA RELEASE-84-5] P84-10005 06

ALLEN, JOSEPH PERCIVAL, IV

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111] P84-10128 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION [NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED [NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

ALLEN, LEON B.

ASTRO PAYLOAD SPECIALISTS SELECTED [NASA RELEASE-84-80] P84-10097 06

ALLER, ROBERT O.

+ STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10042 05

+ STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10165 05

ALLNUTT, ROBERT F.

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83] P84-10100 06

ALLTON, JUDITH R.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

ALTEKAR, VIJAYA

BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION [NASA RELEASE-84-121] P84-10176 06

ANDERS, WILLIAM ALISON

+ STATEMENT BY WILLIAM A. ANDERS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10134 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C. P84-10211 05

ANDREWS, LEW

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY MONTH, WASHINGTON, D.C. P84-10034 05

ANGELC, JOSEPH A., JR.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

ANTHONY, JOHN M.

NASA BEGINS SCREENING ASTRONAUT APPLICANTS [NASA RELEASE-84-15] P84-10015 06

ARENS, JOHN

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS

[NASA RELEASE-84-110] P84-10127 06

ARMS, GEORGE

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100] P84-10117 06

ARMSTRONG, NEIL ALDEN

FIRST LUNAR LANDING 15 YEARS AGO [NASA RELEASE-84-96] P84-10113 06

APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20 [NASA RELEASE-84-99] P84-10116 06

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY P84-10218 05

ARNOLD, JAMES E.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

ARP, HALTON

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING [NASA RELEASE-84-77] P84-10094 06

ARTHUR, M. F.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

ASINOV, ISAAC

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83] P84-10100 06

ASKER, JIM

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

ATCHLEY, S.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

AUGER, PIERRE

TWENTY YEARS OF NASA/ESA COOPERATION [NASA RELEASE-84-139] P84-10194 06

AUMANN, HARTMUT H.

IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR SYSTEMS [NASA RELEASE-84-78] P84-10095 06

AVERNER, M. M.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

B

BABB, G. R.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

BACH, RALPH

NEW RESEARCH ON CLEAR-AIR TURBULENCE [NASA RELEASE-84-165] P84-10246 06

BACHNIK, ERIC

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,

PERSONAL NAMES INDEX

BEGGS, JAMES MONTGOMERY

RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

BACHNIK, FRANK
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

BACHNIK, LARRY
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

BAGIAN, JAMES P.
TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

BARCALL, NETA
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

BALLHAUS, WILLIAM F., JR.
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER
[NASA RELEASE-84-5] P84-10005 06

BARTOE, JOHN-DAVID
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

BAUMANN, DAVE
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

BECKWITH, STEVEN
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

BEGGS, JAMES MONTGOMERY
NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON SHUTTLE
[NASA RELEASE-84-12] P84-10012 06
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE
[NASA RELEASE-84-14] P84-10014 06
JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
[NASA RELEASE-84-25] P84-10025 06
+ SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS P84-10030 05
+ SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI P84-10031 05
+ FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05
+ SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C. P84-10033 05
+ SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY MONTH, WASHINGTON, D.C. P84-10034 05
+ SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE YEAR AWARDS BANQUET P84-10035 05
+ THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING P84-10036 05
+ NASA BUDGET PRESS CONFERENCE P84-10037 05
+ STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,

COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10038 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10040 05

NASA ADMINISTRATOR OUTLINES FUTURE IN SPACE
[NASA RELEASE-84-39] P84-10056 06

SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON CENTER
[NASA RELEASE-84-50] P84-10067 06

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
[NASA RELEASE-84-63] P84-10080 06

FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

+ STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10138 05

+ STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE P84-10139 05

+ STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES P84-10140 05

+ SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN HERITAGE WEEK, NASA HEADQUARTERS P84-10141 05

+ SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

+ SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

+ SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C. P84-10145 05

+ SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES P84-10146 05

+ SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS P84-10147 05

+ SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C. P84-10148 05

+ SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

+ SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05

+ SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y. P84-10151 05

+ SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C. P84-10152 05

+ SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

+ SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT GROUP, POINT CLEAR, ALA. P84-10154 05

+ UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C. P84-10155 05

BEICHMAN, CHARLES

PERSONAL NAMES INDEX

+ ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

+ SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C. P84-10157 05

+ SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD. P84-10158 05

+ SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

+ SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C. P84-10160 05

+ SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C. P84-10161 05

+ SUGGESTED REMARKS: AIA SEEING CONFERENCE, WILLIAMSBURG, VA. P84-10162 05

+ SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C. P84-10163 05

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE EMERGENCY SUIPCRT [NASA RELEASE-84-126] P84-10181 06

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF COMMERCIAL PROGRAMS [NASA RELEASE-84-129] P84-10184 06

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY [NASA RELEASE-84-131] P84-10186 06

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE CORPORATE QUALITY [NASA RELEASE-84-134] P84-10189 06

SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141] P84-10196 06

STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE P84-10203 05

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE P84-10204 05

+ NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C. P84-10206 05

+ SUGGESTED REMARKS: WHITE HOUSE EVENT P84-10207 05

+ SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM P84-10208 05

+ SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS P84-10209 05

+ SUGGESTED REMARKS: INTERNATIONAL PERSONNEL MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN, VA. P84-10210 05

+ SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C. P84-10211 05

+ SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

+ SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

+ SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 LAYS, KENNEDY SPACE CENTER, FLORIDA P84-10214 05

+ SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

+ SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C. P84-10217 05

+ SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY P84-10218 05

+ SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MOFFETT FIELD, CALIF. P84-10219 05

+ SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C. P84-10220 05

+ SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

+ SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C. P84-10222 05

+ ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C. [NASA RELEASE-84-153] P84-10223 05

+ SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW YORK CITY P84-10224 05

+ SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C. P84-10225 05

CHINA DEPOSITS EARNST MONEY FOR SATELLITE LAUNCH SERVICES [NASA RELEASE-84-152] P84-10232 06

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR [NASA RELEASE-84-163] P84-10244 06

NASA AND INDIA SIGN LAUNCH AGREEMENT [NASA RELEASE-84-175] P84-10256 06

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT [NASA RELEASE-84-178] P84-10259 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179] P84-10260 06

+ SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND P84-10261 05

+ SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

+ SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO P84-10263 05

+ SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO P84-10264 05

+ SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE P84-10265 05

BEICHMAN, CHARLES

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING [NASA RELEASE-84-77] P84-10094 06

BELLAMY, MARY L.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82] P84-10099 06

BELLOW, SAUL

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C. P84-10153 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C. P84-10159 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C. P84-10212 05

PERSONAL NAMES INDEX

BRAND, VANCE DEVOR

BENEDICT, HOWARD
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

BENSON, JOHANN
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

BERRY, ALLAN
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

BILLINGHAM, J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

BISHOP, WILLIAM P.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

BISNEY, JOHN
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

BLANDFORD, G.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

BLOOMER, R. H.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

BLUCK, JOHN
NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

BLUFORD, GUION S., JR.
NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

BLYTH-HILL, VICTORIA
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

BOBKO, KAROL JOSEPH
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

BOGGESS, NANCY
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

BOHN, GARY D.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

BOHON, HERMAN L.
NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
[NASA RELEASE-84-123] P84-10178 06

BOLDEN, CHARLES F., JR.
NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

BOLME, GERALD E.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

BORGESSEN, P.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

BORMAN, FRANK
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

BOSTROM, CARL
SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

BOURGEOIS, LARRY
SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

+ 51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

BOVA, BEN
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

BOWDEN, HERBERT H., JR.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

BOWYER, STUART
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

BOYD, JOHN W.
ASSOCIATE ADMINISTRATOR FOR MANAGEMENT APPOINTED
[NASA RELEASE-84-107] P84-10124 06

+ STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE
ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

BOYNE, WALTER
NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

BRADLEY, ANN P.
ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
[NASA RELEASE-84-106] P84-10123 06

BRADLEY, WALTER
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

BRAND, VANCE DEVOR
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS

BRANDENSTEIN, DANIEL C.

PERSONAL NAMES INDEX

[NASA RELEASE-84-71] P84-10088 06
 NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
 [NASA RELEASE-84-111] P84-10128 06
 HIGHLIGHTS OF 1984 NASA ACTIVITIES
 [NASA RELEASE-84-179] P84-10260 06

BRANDENSTEIN, DANIEL C.
 NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
 [NASA RELEASE-84-111] P84-10128 06

BRANDT, JOHN
 SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
 [NASA RELEASE-84-72] P84-10089 06

BRETT, STEVEN R.
 NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
 [NASA RELEASE-84-26] P84-10026 06

BRUNSTEIN, DAVID R.
 NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
 [NASA RELEASE-84-131] P84-10186 06

BRUNSMAN, DAVID
 51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
 STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

BREZHNEV, LEONID
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

BRIDGES, PHILIP D.
 NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06

BRIDGES, ROY D., JR.
 NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
 [NASA RELEASE-84-148] P84-10228 06

BRIZENDINE, JOHN C.
 + STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
 SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
 COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
 REPRESENTATIVES P84-10168 05

BROOKER, DALE
 STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
 SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
 RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
 TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

BROWN, GEORGE L., JR.
 NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27
 AND 28
 [NASA RELEASE-84-135] P84-10190 06

BROWN, GLENN R.
 NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
 P84-10118 06

BROWN, MARK H.
 NASA SELECTS 17 ASTRONAUT CANDIDATES
 [NASA RELEASE-84-64] P84-10081 06

BRUMFIELD, M. L.
 DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
 [NASA RELEASE-84-69] P84-10086 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
 [NASA RELEASE-84-117] P84-10172 06

BRYANT, DAVID R.
 NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06

BUCHLI, JAMES F.
 NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
 [NASA RELEASE-84-111] P84-10128 06

NASA SETS LAUNCH DATE FOR FIRST DOD DELICATED
 SHUTTLE MISSION
 [NASA RELEASE-84-171] P84-10252 06

BUGOS, BEVERLY J.
 SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE

ACTIVITIES
 [NASA RELEASE-84-141] P84-10196 06

BUNKER, ANNE
 NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
 [NASA RELEASE-84-20] P84-10020 06

BURMAN, R. L.
 SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
 ACTIVITIES
 [NASA RELEASE-84-141] P84-10196 06

BUTCHER, BILL
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

BUTLER, SUE
 STS 51-A PREFLIGHT CREW PRESS CONFERENCE
 P84-10268 05

BUTTERWORTH, L. WILLIAM
 HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
 SHUTTLE FLIGHTS
 [NASA RELEASE-84-89] P84-10106 06

BYARS, CARLOS
 51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
 STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
 P84-10268 05

BYRD, RICHARD
 SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
 YORK CITY P84-10218 05

BYRNE, JOHN V.
 NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA
 [NASA RELEASE-84-22] P84-10022 06

C

CABANA, ROBERT D.
 NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
 [NASA RELEASE-84-26] P84-10026 06

CAESAR, JULIUS
 SUGGESTED REMARKS: AIA SPRING CONFERENCE,
 WILLIAMSBURG, VA. P84-10162 05

CALIO, ANTHONY J.
 NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
 NOAA
 [NASA RELEASE-84-22] P84-10022 06

CAMERON, KENNETH D.
 NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
 [NASA RELEASE-84-64] P84-10081 06

CARROLL, JOSEPH A.
 SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
 ACTIVITIES
 [NASA RELEASE-84-141] P84-10196 06

CARTER, JAMES L.
 SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
 ACTIVITIES
 [NASA RELEASE-84-141] P84-10196 06

CARTER, JIMMY
 SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
 COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

CARTER, MANLEY L., JR.
 NASA BEGINS SCREENING ASTRONAUT APPLICANTS
 [NASA RELEASE-84-15] P84-10015 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
 [NASA RELEASE-84-64] P84-10081 06

CASPER, JOHN H.
 NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS

PERSONAL NAMES INDEX

COLLINS, STEWART A.

[NASA RELEASE-84-26]	P84-10026	06	CIMINO, JOSEPHINE B.	NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS [NASA RELEASE-84-26]	P84-10026	06
NASA SELECTS 17 ASTRONAUT CANDIDATES [NASA RELEASE-84-64]	P84-10081	06	CLARKE, ARTHUR C.	NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06
CEROLLINA, FRANK			CLEAVE, MARY L.	TWO SHUTTLE CREWS NAMED BY NASA [NASA RELEASE-84-11]	P84-10011	06
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX [NASA RELEASE-84-53]	P84-10070	06	NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06	
CERNAN, EUGENE ANDREW			CLOUTIER, P. A.	SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
FIRST LUNAR LANDING 15 YEARS AGO [NASA RELEASE-84-96]	P84-10113	06	COATS, MICHAEL L.	SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS [NASA RELEASE-84-60]	P84-10077	06
CHAFFEE, ROGER ERUCE			DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D [NASA RELEASE-84-69]	P84-10086	06	
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C.	P84-10149	05	AUGUST SHUTTLE MISSION DEFINED [NASA RELEASE-84-95]	P84-10112	06	
SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C.	P84-10211	05	NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06	
CHANG-DIAZ, FRANKLIN R.			LAUNCH DATE SET FOR SHUTTLE MISSION 41-D P84-10129	06		
SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN HERITAGE WEEK, NASA HEADQUARTERS	P84-10141	05	SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA.	P84-10150	05	
NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148]	P84-10228	06	DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D [NASA RELEASE-84-117]	P84-10172	06	
CHARTRAND, MARK R.			HIGHLIGHTS OF 1984 NASA ACTIVITIES [NASA RELEASE-84-179]	P84-10260	06	
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06	COCKS, FRANKLIN H.	SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
CHARTRAND, MARK E.			CODE, ARTHUR	SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET [NASA RELEASE-84-72]	P84-10089	06
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06	COHEN, MARC M.	SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
CHASE, REBECCA			COLLADAY, RAY	FISCAL YEAR 1985 BUDGET PRESS BRIEFING	P84-10032	05
STS 51-A PREFLIGHT CREW PRESS CONFERENCE	P84-10268	05	COLLINS, MARY PAT	STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10201	05
CHEN, D.			COLLINS, MICHAEL	NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06	FIRST LUNAR LANDING 15 YEARS AGO [NASA RELEASE-84-96]	P84-10113	06	
CHERBONNEAUX, JIM			APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20 [NASA RELEASE-84-99]	P84-10116	06	
NASA CONDUCTS GYPSY MOON SURVEY ON EAST COAST [NASA RELEASE-84-91]	P84-10108	06	SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON, D.C.	P84-10220	05	
CHERRY, M.			COLLINS, STEWART A.	NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART [NASA RELEASE-84-20]	P84-10020	06
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06				
CHESTER, THOMAS J.						
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY MEETING [NASA RELEASE-84-77]	P84-10094	06				
CHESTERTON, G. K.						
SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C.	P84-10160	05				
CHILES, LAWTON						
SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA	P84-10221	05				
CHIN, GORDON						
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS [NASA RELEASE-84-110]	P84-10127	06				
CHRISTAKIS, DEAN G.						
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82]	P84-10099	06				
CHRISTY, HAROLD A.						
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT [NASA RELEASE-84-82]	P84-10099	06				
CHURCHILL, WINSTON						
SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C.	P84-10212	05				

COMBERRIATE, ANTHONY

PERSONAL NAMES INDEX

COMBERRIATE, ANTHONY

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

COMBERRIATE, MICHAEL

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

CONLAN, EDWARD F.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

CONNORS, MARY M.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

COODENAY, WALTER

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

CORANADO, TOMAS

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

CORNAFY, E. W.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

CORTRIGHT, EDGAR H.

STATEMENT BY WILLIAM A. ANDERS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES
P84-10134 05

COSTA-PIERCE, BARRY A.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

COUSTEAU, JACQUES

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

COVAULT, CRAIG

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

COVEY, RICHARD O.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

CRABB, T. M.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

CREIGHTON, JOHN O.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

CRIPPEN, ROBERT LAUREL

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

CRISWELL, DAVID B.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

CROW, LES

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

CULBERTSON, FRANK L., JR.

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

CULBERTSON, PHILIP B.

+ STATEMENT OF PHILIP B. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

CUNNINGHAM, STEVEN LEE

HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

CUTLER, ANDREW HALL

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

D

D'ALLEST, M. FREDERIC

NASA AND CNES AGREE TO COOPERATE IN SHUTTLE
EMERGENCY SUPPORT
[NASA RELEASE-84-126] P84-10181 06

DA VINCI, LEONARDO

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

DABBS, JOE

BOX-CAMERA PRINCIPLE TO DECIPHER SOLAR SECRETS
[NASA RELEASE-84-45] P84-10062 03

DANNENBERG, CONRAD

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DAVID, LEONARD

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

DAVIS, BENJAMIN O., JR.

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

DAVIS, H. P.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DAWSON, HARRY S., JR.

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH

PERSONAL NAMES INDEX

BHRICKE, KRAFFT A.

ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

DDONN, BERTRAM
SCIENTISTS SELECTED TO CESERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

DEMING, W. EDWARDS
NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

DENVER, JOHN
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

DEVINCENZI, D. L.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DICKENS, CHARLES
SUGGESTED REMARKS: MORTON THIKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

DILLER, DICK
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

DOLITTLE, JIMMY
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

DONAHUE, TOM
SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

DOOLING, DAVE
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

DOUDS, DAVE
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

DOWNING, R. G.
DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

DOWNES, HUGH
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

DOXSEY, RODGER
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

DRAEGER, D. A.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DREW, CHARLES
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

DRUZIK, JAMES
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

DRYDEN, HUGH L.
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

TWENTY YEARS OF NASA/ESA COOPERATION
[NASA RELEASE-84-139] P84-10194 06

DUKE, MICHAEL
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DULA, ART
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DUNBAR, BONNIE J.
NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

DUNN, JAMES C.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

DURANT, FREDERICK C., III
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

DURRANCE, SAMUEL T.
ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

DURST, STEVEN
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

DUVVURI, TIRUMALESA
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

E

EARHART, AMELIA
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

EATON, PETER
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

EBERHART, JONATHAN
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

EDBERG, STEPHEN J.
NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
[NASA RELEASE-84-30] P84-10047 06

EDELSON, BURTON I.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

BHRICKE, KRAFFT A.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE

EINSTEIN, ALBERT

ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

EINSTEIN, ALBERT

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

EISENHOWER, DWIGHT D.

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

EL-AASSER, MOHAMED

FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

ELACHI, CHARLES

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ELIOT, GEORGE

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

ELIOT, T. S.

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C. P84-10215 05

ENGLAND, ANTHONY WAYNE

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

ENGLE, JOE HENRY

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

ESPOSITO, LARRY

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

EVANS, BUD

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

EVANS, L. J., JR.

ISAAC T. GILLIAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

+ STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

F

FABIAN, JOHN M.

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

FABIUS, LAURENT

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

PERSONAL NAMES INDEX

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION
SYMPOSIUM, COLORADO SPRINGS, COLORADO
P84-10263 05

FAGET, MAX

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

FAZIO, GIOVANNI

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

FAZZOLARE, BOCCO

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FELDMAN, NANCY C.

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

FELDMAN, PAUL

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

FINK, DANIEL J.

STATEMENT BY WILLIAM A. ANDERS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10134 05

FINNEY, BEN R.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FISCHER, ROBERT E.

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND
P84-10261 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

FISHER, ANNA L.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

FISHER, WILLIAM F.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

FISK, DELORES

SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN
HERITAGE WEEK, NASA HEADQUARTERS P84-10141 05

FLEMING, ALEXANDER

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT

PERSONAL NAMES INDEX

GARGARIN, YURI

GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY P84-10218 05

FLEMING, ARTHUR S.
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER
[NASA RELEASE-84-5] P84-10005 06

FLETCHER, JAMES C.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM P84-10208 05

FLYNN, E. R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FOALE, C. MICHAEL
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

FOLEY, TERESA
FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

FORREST, WILLIAM
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

FRANCO, ALBERTO
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

FRANKLIN, BENJAMIN
SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C. P84-10152 05

FRENCH, BEVAN
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FRENCH, J. R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FERRICKING, MARGARET A.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

FRIEDLANDER, HERBERT M.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

FRIEDMAN, DON
SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND P84-10262 05

FROSCH, ROBERT
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS EXHIBIT, NATIONAL AIR AND SPACE MUSEUM P84-10208 05

FRY, MEL
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

FRYE, SHELLA
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

FUENTES, C. R.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

FUJIMOTO, KAZUO
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

FULFORD, MILLIE HUGHES WILEY
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

FULLERTON, BERTRAND E.
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

FULLERTON, CHARLES GORDON
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

FULTON, FITZHUGH
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

FUQUA, DON
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

FURRER, REINHARD
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

G

GARFNEY, FRANCIS ANDREW
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

GALILEI, GALILEO
SPACE RESEARCH INDICATES GRAVITY AFFECTS ECNE GROWTH
[NASA RELEASE-84-16] P84-10016 06

GALLUM, JOEL
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

GALSWORTHY, JOHN
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y. P84-10213 05

GARDNER, DALE A.
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE P84-10268 05

GARGARIN, YURI
SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA P84-10221 05

GARNEAU, MARC D.

PERSONAL NAMES INDEX

GARNEAU, MARC D.

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

GARNER, MELODY A.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

GARRIOTT, OWEN KAY

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

GASSET, JOSE ORTEGA Y.

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

GAUTIER, T. M.

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

GAY, CHARLES D.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

GERHARDT, JOHN

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

GERBY, DIANA

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

GERLICZY, GEORGE

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

GEZARI, DANIEL

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

GIACCONI, RICCARDO

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

GIBSON, MICHAEL A.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

GIBSON, ROBERT L.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES

[NASA RELEASE-84-179] P84-10260 06

GILLAM, ISAAC T., IV

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF
COMMERCIAL PROGRAMS
[NASA RELEASE-84-129] P84-10184 06

NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06

+ STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

NASA RELEASES COMMERCIAL USE OF SPACE POLICY
[NASA RELEASE-84-158] P84-10239 06

GILLET, FRED

NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

GILLETTE, AARON

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

GILMARTIN, TRISH

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

GILRUTH, ROBERT

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

GINGRICH, NEWT

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

GINGRICH, NEWT

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

GLACKIN, DAVID

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

GLENMAN, KEITH

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

GLESKE, AL

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

GODDARD, ROBERT

NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA
TELEVISION
[NASA RELEASE-84-100] P84-10117 06

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

GODWIN, GENE

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

GOLDBERG, STANLEY E.

GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT
DIVISION
[NASA RELEASE-84-166] P84-10247 06

GOLDMAN, TYLER

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE

PERSONAL NAMES INDEX

HALPERN, RICHARD E.

ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06	[NASA RELEASE-84-25]	P84-10025	06
GOLDWATER, BARRY NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06	SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON CENTER [NASA RELEASE-84-50]	P84-10067	06
GONZALES, LUIS NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA [NASA RELEASE-84-22]	P84-10022	06	+ STATEMENT OF GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10169	05
GOROVE, STEVEN F. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06	+ STATEMENT BY GERALD D. GRIFFIN BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10205	05
GOULD, JANET STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10201	05	GRIGGS, STANLEY DAVID SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74]	P84-10091	06
GOULD, NATHANIEL STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10201	05	NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06
GRACE, W. K. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06	NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES [NASA RELEASE-84-148]	P84-10228	06
GRAVES, CURTIS M. CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS [NASA RELEASE-84-8]	P84-10008	06	GRISSON, VIRGIL IVAN SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C.	P84-10149	05
NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION [NASA RELEASE-84-100]	P84-10117	06	SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON, D.C.	P84-10211	05
GRAVOGEL, CARL STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10201	05	GROMYKO, ANDREI STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE	P84-10203	05
GRAY, EDWARD Z. NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06	GROSS, RICHARD SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
GREEN, WILLIAM D. CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS [NASA RELEASE-84-8]	P84-10008	06	GULL, TED ASTRO PAYLOAD SPECIALISTS SELECTED [NASA RELEASE-84-80]	P84-10097	06
GREENBERG, JOEL SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06	GUTIERREZ, SIDNEY M. NASA BEGINS SCREENING ASTRONAUT APPLICANTS [NASA RELEASE-84-15]	P84-10015	06
GREENE, JAY SHUTTLE MISSION 41-C BRIEFINGS SET [NASA RELEASE-84-28]	P84-10028	06	NASA SELECTS 17 ASTRONAUT CANDIDATES [NASA RELEASE-84-64]	P84-10081	06
51-A FLIGHT DIRECTORS BRIEFING	P84-10266	05			
GREGG, C. T. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06			
GREGORY, FREDERICK D. SUGGESTED REMARKS: NATIONAL SPACE CLUE, WASHINGTON, D.C.	P84-10033	05			
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74]	P84-10091	06			
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06			
GRIFFIN, GERALD D. JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION					

H

HARRENDL, GERHARD ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS DAY [NASA RELEASE-84-170]	P84-10251	06
HALDANE, JOHN SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y.	P84-10213	05
HALE, EDWARD EVERETT SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.	P84-10159	05
HALL, LORIN STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE, RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES	P84-10201	05
HALLEY, EDMOND PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION [NASA RELEASE-84-88]	P84-10105	06
HALPERN, RICHARD E. NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS [NASA RELEASE-84-61]	P84-10078	06
NASA SELECTS UNIVERSITIES FOR RESEARCH [NASA RELEASE-84-147]	P84-10227	06

HAMMER, ARMAND

PERSONAL NAMES INDEX

HAMMER, ARMAND

NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

HAMMOND, LLOYD E., JR.

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

HANSMAN, ROBERT J., JR.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

HARR, KARL

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

HARRIS, LOU

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

HARRISON, JIM

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

HART, TERRY J.

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

ASTRONAUT T. J. HART TO LEAVE NASA
[NASA RELEASE-84-59] P84-10076 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

HARTSFIELD, HENRY WARREN, JR.

SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

HASKEN, LARRY A.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HASWELL, M. STEPHEN

NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

HAUCK, FREDERICK H.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

+ STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

HAWLEY, STEVEN A.

SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

HAZELWOOD, DALE

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

HEACOCK, E. LARRY

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

HEARD, WALTER L., JR.

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

HEARTH, DONALD P.

+ STATEMENT OF DONALD P. HEARTH BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10135 05

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

HEDDINGER, FRANK

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

HEDGLEY, DAVID H.

NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
[NASA RELEASE-84-86] P84-10103 06

HEENSERK, GEORGE

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

HEFNER, JERRY M.

NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
CAUSE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

HELEN, K. W.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

PERSONAL NAMES INDEX

HOUCK, JAMES R.

HEIKEN, G.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HELOU, GEORGE
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

HENDRICKS, JOHN M.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

HENIZE, KARL GOEDON
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

HENRY, DOUGLAS G.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

HEPPENHIMER, T. A.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HERACLITUS
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

HESTER, TERRY
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

HERWIT, MARTIN
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

HICKEL, WALTER
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HILBURN, EARL D.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

HINES, BILL
FISCAL YEAR 1985 BUDGET PRESS BRIEFING P84-10032 05

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING P84-10267 05

HINNERS, NORL W.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

HOCHSTEIN, LARRY
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] P84-10176 06

HODGE, JOHN D.
THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104] P84-10121 06

HODGKINS, KENNETH
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

HOFFMAN, JEFFREY A.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

HOFFMAN, STEPHEN J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HOFFMANN, WILLIAM
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

HOGREFE, ARTHUR F.
NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167] P84-10248 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

HOLLAND, L. M.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HOLMES, BRUCE J.
NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

HOLMES, OLIVER WENDELL
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI P84-10031 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

SUGGESTED REMARKS: MORTON THIOKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

HOMES, E. W., JR.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HOOD, L. L.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HOOVER, HERBERT
SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

HOPE, BOB
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

HOSENBALL, S. NEIL
+ STATEMENT OF S. NEIL HOSENBALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10171 05

HOUCK, JAMES R.
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

HOYT, JERRY

PERSONAL NAMES INDEX

HOYT, JERRY

NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

HUBBLE, EDWIN P.

SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

HUDSON, JOHN L.

NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

HUFFER, MARY

NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27
AND 28
[NASA RELEASE-84-135] P84-10190 06

HUGHES, HOWARD

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

HUGHES, MARY

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

HULBERT, E. O.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

HUMES, THOMAS M.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

HUMPHREY, MURIEL

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

HUTCHINSON, NEIL E.

SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON
CENTER
[NASA RELEASE-84-50] P84-10067 06

HYATT, JEFF

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

ISSEL, MICHELLE

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

IVINS, MARSHA S.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

JABOUR, WILLIAM J.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

JACKSON, ARVA

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

JACKSON, DAVE

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

JAFFE, WALTER

ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

JAMES, THURSTON

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

JAREARD, KAREN L.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

JARVIS, GREGORY

HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

JASTROW, ROBERT

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

JEFFERS, LANCE G.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

JENSON, KERMIT

NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

JETT, J. H.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JIRACCHO, JACK

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

JOHANSSON, KARL R.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JOHNNING, B.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JOHNSON, FRANK S., JR.

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

JOHNSON, JOHN

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

JOHNSON, PATRICIA A.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

JOHNSON, RICHARD G.

STATEMENT BY SHELBY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10202 05

JOHNSON, STEWART W.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JOHNSTON, DONALD J.

NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON
SHUTTLE
[NASA RELEASE-84-12] P84-10012 06

JOHNSTON, MARY HELEN

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

PERSONAL NAMES INDEX

KRAFT, CHRIS

JONES, E. M.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JONES, THOMAS M.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

JCYNER, C. C.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

JURA, MICHAEL
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

JUST, ERNEST EVERETT
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

K

KAHN, IRVING
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

KANTROWITZ, ARTHUR
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KEATHLEY, WILLIAM C.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

KEATON, PAUL W.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KELLER, SAMUEL W.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

KELLEY, ALBERT
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

KELLY, DONALD E.
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

KENNEDY, JOHN F.
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

STATEMENT BY JAMES R. MCRISSON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

KENNEDY, ROBERT
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

KEYWORTH, GEORGE
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE

ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KIBLER, ELIZABETH
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KIECKHEFER, ROBERT M.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

KIMLINGER, RAY
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

KING, MARTIN LUTHER
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

KISENWEATHER, ELIZABETH C.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

KITAHARA, TAKA
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

KITTINGER, JOE
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

KLEIN, HAROLD P.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KNIGHT, TOM
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

KNIP, GERALD
NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
[NASA RELEASE-84-68] P84-10085 06

KNUDSEN, CHRISTIAN W.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KOCH, DAVID
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

KOELLE, H. H.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

KOFFLER, RUSSELL
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

KONRAD, JOHN HARRISON
HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
SHUTTLE FLIGHTS
[NASA RELEASE-84-89] P84-10106 06

KORNFIELD, DALE M.
FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

KOSTIUK, M.
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

KRAFT, CHRIS
STS 51-A PREFLIGHT CREW PRESS CONFERENCE

KRATOVIL, JOSEPH A.

PERSONAL NAMES INDEX

84-10268 05
KRATOVIL, JOSEPH A.
KRATOVIL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
[NASA RELEASE-84-24] 84-10024 06

KRIER, GARY E.
GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT
DIVISION
[NASA RELEASE-84-166] 84-10247 06

KRINIGIS, S. M.
ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] 84-10251 06

KRISTJANNSON, HORDEN
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
[NASA RELEASE-84-121] 84-10176 06

KROGH, LESTER C.
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14] 84-10014 06

KRUGER, RAY
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] 84-10004 06

KUPPERMAN, BOB
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. 84-10217 05

KUSSKE, AMY
SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. 84-10152 05

KUSUMUI, KENRO
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] 84-10099 06

L

LA ROCHEFOUCAULD
SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS,
MISSOURI 84-10031 05

LACEFIELD, CLEON
51-A FLIGHT DIRECTORS BRIEFING 84-10266 05

LACHVAYDER, JUDITH E.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] 84-10099 06

LAFLEUR, CLAUDE
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
84-10268 05

LAMB, GERALD
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] 84-10127 06

LANDEAKIS, ELLIE
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] 84-10099 06

LAMPTON, MICHAEL L.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] 84-10088 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] 84-10128 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] 84-10260 06

LAND, PETER, III
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] 84-10196 06

LANDR, K.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES

[NASA RELEASE-84-141] 84-10196 06

LASKER, BARRY
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] 84-10090 06

LEE, MARK C.
NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] 84-10081 06

LEESTMA, DAVID C.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] 84-10088 06

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] 84-10093 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] 84-10097 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] 84-10128 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] 84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] 84-10188 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] 84-10260 06

LEHNERT, B. E.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] 84-10196 06

LEHR, LEWIS W.
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14] 84-10014 06

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] 84-10186 06

LEMON, BETTY
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
84-10268 05

LENOIR, WILLIAM BENJAMIN
ASTRONAUT WILLIAM B. LENOIR TO LEAVE NASA
[NASA RELEASE-84-115] 84-10132 06

LEONARD, RAY S.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] 84-10196 06

LESTER, PETER
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] 84-10246 06

LETAW, JOHN R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] 84-10196 06

LETTERMAN, GREGORY A.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] 84-10099 06

LEWIS, BILL
SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
84-10163 05

LEWIS, GEORGE
SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL
HONOR AWARDS CEREMONY, CLEVELAND, OHIO
84-10264 05

LEWIS, JOHN S.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] 84-10196 06

PERSONAL NAMES INDEX

MASON, JAMES R.

LEWIS, MIKE
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

LEWIS, WILLIAM C., JR.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

LICHTENBERG, BYRON K.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06
HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

LIND, DON LESLIE
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LINDBERGH, CHARLES
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

LINGL, HERB
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

LIEPMANN, WALTER
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

LOGSDON, JOHN M.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

LONGANECKER, GERALD W.
NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
[NASA RELEASE-84-150] P84-10230 06

LONSDALE, CAROL J.
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

LOPEZ, DON
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

LONGUE, JOHN M.
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LOVELL, JAMES ARTHUR, JR.
SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05
SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

LOW, FRANK
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

LOW, GEORGE M.
NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
[NASA RELEASE-84-106] P84-10123 06

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

LUCAS, WILLIAM R.
+ STATEMENT OF WILLIAM R. LUCAS BEFORE THE
SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10136 05

LUCID, SHANNON W.
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LUNNEY, GLENN S.
51-A FLIGHT DIRECTORS BRIEFING P84-10266 05
+ STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

LUTZ, BARRY
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

M

MACCHETTO, DUCCIO
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

MACLEROY, R. D.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MAHON, JOSEPH B.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

MALINA, ROGER
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125] P84-10180 06

MANKA, R. H.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MANZO, GINO
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

MARK, HANS M.
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

DR. HANS MARK ACCEPTS NEW POST AT UNIVERSITY OF
TEXAS SYSTEM
[NASA RELEASE-84-65] P84-10082 06

MARTH, ALBERT
NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
[NASA RELEASE-84-178] P84-10259 06

MARTI, K.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MARTIN, J. C.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MARTIN, JOHN J.
MARTIN HEADS AERONAUTICS AND SPACE TECHNOLOGY OFFICE
[NASA RELEASE-84-10] P84-10010 06

+ STATEMENT OF JOHN J. MARTIN BEFORE THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10041 05

MASON, JAMES R.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS

MASUBSKY, HAROLD

[NASA RELEASE-84-15] P84-10015 06

MASUBSKY, HAROLD

NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

MATHER, JOHN

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

MATHIAS, CHARLES MCC.

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
[NASA RELEASE-84-51] P84-10068 06

MATTHEWS, KRITH

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

MATTINGLY, THOMAS KENNETH, II

MATTINGLY TO LEAVE ASTRONAUT CORPS FOR NAVY POST
[NASA RELEASE-84-97] P84-10114 06

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED
SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

MAURETTE, M.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MCBRIDE, JON A.

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

MCCABE, JANE M.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

MCCALL, ROBERT

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

MCCALL, WAYNE L.

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

MCCANDLESS, BRUCE, II

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SOLAR MAX REPAIR, IDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

MCCORMICK, J. BYRON

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MCCULLLEY, MICHAEL J.

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

MCCLROY, JOHN

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR

PERSONAL NAMES INDEX
NOAA

[NASA RELEASE-84-22] P84-10022 06

MCGARVEY, BILLIE J.

+ STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10170 05

MCGRAW, HAROLD W., JR.

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

MCGREGOR, D. M.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MCGUNIGAL, THOMAS E.

+ STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

MCINTOSH, ROY

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

MCKAY, DAVID S.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MCLEISH, JOHN E.

JSC PUBLIC INFORMATION CHIEF TO RETIRE
[NASA RELEASE-84-168] P84-10249 06

MCMAHAN, ANDY

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

MCMAHUS, PETE

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10201 05

MCNULTY, THOMAS C.

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS
[NASA RELEASE-84-9] P84-10009 06

MCNAIR, RONALD E.

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

MCSHANE, JOSEPH

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

PERSONAL NAMES INDEX

MULLANE, RICHARD MIKE

MEEK, THOMAS J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MEGILL, L. R.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

MEGILL, REX
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

MEHTA, RAJIV
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

MEINEL, CAROLYN P.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MELNICK, GARY
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

MENCKEN, H. L.
SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

MERBOLD, ULF
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

MEREDITH, LESLIE
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

MESSERSCHMID, ERNST
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

MEYER, M. S.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MICALLE, FORTUNATO J.
FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

MICELSON, ALBERT ABRAHAM
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

MICHEL, P. C.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MICHELSON, ALBERT A.
NASA ADMINISTRATOR OUTLINES FUTURE IN SPACE
[NASA RELEASE-84-39] P84-10056 06

MICHENER, JAMES
SUGGESTED REMARKS: CORPORATE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

MILLAR, GORDON
STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10164 05

MILLER, JAMES G.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MITCHELL, MIKE
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

MOLLBERG, BERNARD H.
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

MOLLER, W.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MOORE, JESSE W.
NASA APPOINTS ACTING SPACE FLIGHT CHIEF
[NASA RELEASE-84-40] P84-10057 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

ASSOCIATE ADMINISTRATOR FOR SPACE FLIGHT APPOINTED
[NASA RELEASE-84-105] P84-10122 06

+ STATEMENT BY JESSE W. MOORE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10137 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10138 05

MOREY-HOLTON, EMILY
SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
[NASA RELEASE-84-16] P84-10016 06

MORRIS, DANA
NASA WORKS TO IMPROVE AERIAL APPLICATION OF
CHEMICALS
[NASA RELEASE-84-66] P84-10083 06

MORRISON, JAMES R.
+ STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

MOSS, FRANK E.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

MOYZIS, R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MULLANE, RICHARD MIKE
SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

MURPHY, GEORGE

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

NASA/RECON USES CONFERENCE SET FOR SEPTEMBER 27
AND 28
[NASA RELEASE-84-135] P84-10190 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

MURPHY, GEORGE

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

MURPHY, KATHLEEN

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

MURPHY, SHAWN

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

MUSGRAVE, FRANKLIN STOEY

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

ASTRONAUT DON FETTERSON TO LEAVE NASA
[NASA RELEASE-84-157] P84-10238 06

MUTCH, THOMAS A.

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO
MUSEUM
[NASA RELEASE-84-58] P84-10075 06

N

NAGEL, STEVEN R.

NASA NAMES THREE MEMBERS OF 51-K CREW
[NASA RELEASE-84-23] P84-10023 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

NAISBETT, JOHN

SUGGESTED REMARKS: THE CENTERBB GROUP, ST. LOUIS,
MISSOURI P84-10031 05

NAVIAS, ROB

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

NELSON, FLORENCE

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

NELSON, GEORGE E.

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SOLAR MAX REPAIR, IDEF DEFICENCY HIGHLIGHT
SHUTTLE FLIGHT

PERSONAL NAMES INDEX

[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
[NASA RELEASE-84-148] P84-10228 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

NELSON, TODD

ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT
PROGRAM, WASHINGTON, D.C. P84-10152 05

NEUGEBAUER, GERRY

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

NEUBURN, RAY L.

PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

NEWMAN, C. THOMAS

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

NEWTON, JON

DR. HANS MARK ACCEPTS NEW POST AT UNIVERSITY OF
TEXAS SYSTEM
[NASA RELEASE-84-65] P84-10082 06

NICHOLS, NICHELLE

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

NICOLLIER, CLAUDE

NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

NIEDNER, MALCOLM

SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

NIEHOFF, JOHN C.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

NIXON, RICHARD

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

WORDSIRCK, KENNETH R.

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

MOZETTE, STEWART

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WYSMITH, C. ROBERT

ASSOCIATE ADMINISTRATOR FOR MANAGEMENT APPOINTED
[NASA RELEASE-84-107] P84-10124 06
[NASA RELEASE-84-69] P84-10086 06

PERSONAL NAMES INDEX

PETTIT, DONALD R.

O'CONNOR, BRYAN D.
TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-111] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

O'DELL, C. ROBERT
SCIENTISTS SELECTED TO CESERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

OCKELS, WUBBO
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

OGLESEY, TED
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

ONIZUKA, ELLISON S.
SUGGESTED REMARKS: NATIONAL SPACE CLUE,
WASHINGTON, D.C. P84-10033 05

SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN
HERITAGE WEEK, NASA HEADQUARTERS P84-10141 05

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED
SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

OPAL, CHET
SCIENTISTS SELECTED TO CESERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

ORLOFF, KENNETH
LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

OTON, GEORGE
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

ORWELL, GEORGE
SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

OUSLEY, GIL
ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON
CHRISTMAS DAY
[NASA RELEASE-84-170] P84-10251 06

OVERMYER, ROBERT FRANKLIN
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

P

PACKARD, DAVID
STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE
ON SPACE SCIENCE AND APPLICATIONS AND THE
SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10167 05

PAGE, THORNTON
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

PAINE, TOM
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS

EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

PALMER, MILES R.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

PAPIKE, J. J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

PARISE, RONALD A.
ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

PARKER, ROBERT ALLAN RIDLEY
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

PARKER, ROBERT ALLAN RIDLEY
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

ASTRO PAYLOAD SPECIALISTS SELECTED
[NASA RELEASE-84-80] P84-10097 06

PARKS, TED
NEW RESEARCH ON CLEAR-AIR TURBULENCE
[NASA RELEASE-84-165] P84-10246 06

PARLIER, CHARLES A.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

PARRISH, ELTON
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

PASTEUR, LOUIS
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

PAYNE, MELVIN M.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

PAYNE, SETH
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

PAYTON, GARY E.
NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED
SHUTTLE MISSION
[NASA RELEASE-84-171] P84-10252 06

PEALE, NORMAN VINCENT
SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

PELTZ, WILLIAM H.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

PETERSEN, RICHARD H.
HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
[NASA RELEASE-84-163] P84-10244 06

PETERSON, DONALD HEROD
SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

ASTRONAUT DON PETERSON TO LEAVE NASA
[NASA RELEASE-84-157] P84-10238 06

PETRONE, ROCCO A.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

PETTIT, DONALD R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

PETTY, REGINALD

PETTY, REGINALD

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES

P84-10201 05

PHILIPS, RONALD J.

+ STATEMENT OF RONALD J. PHILIPS BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES

P84-10164 05

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES

P84-10166 05

PHILLIPS, MARY I.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26]

P84-10026 06

PHILLIPS, P. G.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141]

P84-10196 06

PHILLIPS, ROBERT WARD

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1]

P84-10001 06

PIPHER, JUDITH

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110]

P84-10127 06

PLOSZAJ, RONALD

NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
[NASA RELEASE-84-125]

P84-10180 06

PODSIADLY, CHRIS

51-A FLIGHT DIRECTORS BRIEFING

P84-10266 05

POSKEVICH, DAN

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38]

P84-10055 06

POST, WILEY

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.

P84-10158 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY

P84-10218 05

PRIEST, RICHARD H.

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26]

P84-10026 06

PRINZ, DIANNE K.

SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74]

P84-10091 06

PROVOST, DAVE

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173]

P84-10254 06

Q

QUAGLIARIELLO, ENNESTO

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54]

P84-10071 06

R

RADFORD, WADE E.

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
[NASA RELEASE-84-167]

P84-10248 06

RADFORD, WAYNE

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND

P84-10261 05

PERSONAL NAMES INDEX

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

RAMOS, FERNANDO

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES

P84-10201 05

RANKEN, W. A.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141]

P84-10196 06

RAO, U. R.

NASA AND INDIA SIGN LAUNCH AGREEMENT
[NASA RELEASE-84-175]

P84-10256 06

REAGAN, RONALD

3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN
SPACE
[NASA RELEASE-84-14]

P84-10014 06

KRATOVL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
[NASA RELEASE-84-24]

P84-10024 06

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL
SPACE FACILITY
[NASA RELEASE-84-29]

P84-10029 06

SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS,
MISSOURI

P84-10031 05

FISCAL YEAR 1985 BUDGET PRESS BRIEFING

P84-10032 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C.

P84-10033 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING

P84-10036 05

NASA BUDGET PRESS CONFERENCE

P84-10037 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE

P84-10038 05

STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES

P84-10039 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES

P84-10040 05

NASA ADMINISTRATOR OUTLINES FUTURE IN SPACE
[NASA RELEASE-84-39]

P84-10056 06

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83]

P84-10100 06

FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
[NASA RELEASE-84-85]

P84-10102 06

NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
[NASA RELEASE-84-104]

P84-10121 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE

P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES

P84-10140 05

SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN
HERITAGE WEEK, NASA HEADQUARTERS

P84-10141 05

PERSONAL NAMES INDEX

RESNIK, JUDITH A.

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: COFFEE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL
CONFERENCE, STUDENTS FOR THE EXPLORATION AND
DEVELOPMENT OF SPACE, WASHINGTON, D.C.
P84-10153 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

NASA TO FLY EDUCATOR ON SHUTTLE MISSION
[NASA RELEASE-84-122] P84-10177 06

SPACE STATION PROPOSALS SOUGHT
[NASA RELEASE-84-130] P84-10185 06

NASA AND 3M COMPANY SIGN JOINT AGREEMENT
[NASA RELEASE-84-143] P84-10198 06

STATEMENT BY JAMES R. MORRISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

STATEMENT BY ISAAC I. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10204 05

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
P84-10206 05

SUGGESTED REMARKS: WHITE HOUSE EVENT
P84-10207 05

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT
INTERNS' FORUM, THE U.S. AND THE NEW SPACE AGE,
WASHINGTON, D.C. P84-10212 05

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y. P84-10213 05

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA P84-10221 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUE, NEW
YORK CITY P84-10224 05

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

RECEP, PAUL

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

REDMOND, EMMA C.

FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

REEVES, BILL

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

REICHEL, HENRY G., JR.

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

REINATH, MICHAEL

LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

REININGER, ED

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L
[NASA RELEASE-84-69] P84-10086 06

RESNIK, JUDITH A.

SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-L
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

RICHARDS, PAUL

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA. P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

RICHARDS, PAUL

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS P84-10127 06
[NASA RELEASE-84-110]

RICKENBACKER, EDDIE

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

RIDE, SALLY K.

SUGGESTED REMARKS: NATIONAL SPACE CLUE,
WASHINGTON, D.C. P84-10033 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE P84-10038 05

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

STATEMENT BY JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
P84-10139 05

STATEMENT OF JAMES M. BEGGS BEFORE THE
SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES,
COMMITTEE ON APPROPRIATIONS, HOUSE OF
REPRESENTATIVES P84-10140 05

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS
CEREMONY, WASHINGTON, D.C. P84-10160 05

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS
RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER,
FLORIDA P84-10214 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SIS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

RIEKE, GEORGE

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS P84-10127 06
[NASA RELEASE-84-110]

ROBERTS, EARNEY B.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES P84-10196 06
[NASA RELEASE-84-141]

RODDENBERRY, GENE

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED P84-10100 06
[NASA RELEASE-84-83]

ROELLIG, THOMAS

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS P84-10127 06
[NASA RELEASE-84-110]

ROOSEVELT, THEODORE

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING
WOODS HOLE, MASS P84-10209 05

PERSONAL NAMES INDEX

ROSENBERG, SANDERS D.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES P84-10196 06
[NASA RELEASE-84-141]

ROSENTHAL, HARRY

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

ROSS, JERRY L.

TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

ROSS, JERRY. L.

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

ROTHMANN, ROBERT

FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

ROY, A. J.

NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE
FERRY FLIGHTS P84-10009 06
[NASA RELEASE-84-9]

RUCKELSHAUS, BILL

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

RUMMEL, JOHN

SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING P84-10001 06
[NASA RELEASE-84-1]

RUSSELL, BERTRAND

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

RUZIC, BEIL

NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED P84-10100 06
[NASA RELEASE-84-83]

S

SADILEK, ALBERT C.

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT P84-10248 06
[NASA RELEASE-84-167]

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY,
JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND
P84-10261 05

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

SAKSS, JOHN

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

SALKELD, ROBERT

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES P84-10196 06
[NASA RELEASE-84-141]

SALOMONSON, VINCENT

NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA P84-10022 06
[NASA RELEASE-84-22]

SALPETER, EDWIN

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS P84-10127 06
[NASA RELEASE-84-110]

SALZMAN, G. C.

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES P84-10196 06
[NASA RELEASE-84-141]

PERSONAL NAMES INDEX

SHAKESPEARE, WILLIAM

SANTAYANA, GEORGE
SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN
HERITAGE WEEK, NASA HEADQUARTERS P84-10141 05

SASTRI, S.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SATURNELLI, CARLA MARIE
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

SAUER, R. L.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SAUNDERS, G. C.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SAXTON, DON
NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
[NASA RELEASE-84-90] P84-10107 06

SCARP, FRED L.
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
[NASA RELEASE-84-18] P84-10018 06

SCHAPLY, WILLIS
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SCHARDT, BURTON
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SCHERR, J. W.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SCHLESINGER, JIM
SUGGESTED REMARKS: COFFCATE COUNCIL FOR
INTERNATIONAL RELICITY, WASHINGTON, D.C.
P84-10148 05

SCHMITT, GUNTER
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SCHMITT, HARRISON
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SCHMITT, HARRISON HAGEN, JR.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SCHOCK, R. W.
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

SCHRIER, ETHAN
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

SCHWIND, BERNARD
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

SCHWINN, JIM
51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

SCOBEE, FRANCIS RICHARD
APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SCULLY-POWER, PAUL D.
CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION
[NASA RELEASE-84-132] P84-10187 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

SEABORG, GLENN
SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY
POLICY STUDIES PROGRAM, WASHINGTON, D.C.
P84-10163 05

SEDDON, MARGARET REHA
TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SEITZ, FREDERICK
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SELLERS, WALLACE O.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SELTZER, FRANK
STS 51-1 SATELLITE RETRIEVAL BRIEFING
P84-10267 05

SEVERIDE, TOM
51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

SEWELL, CHARLES A.
X-29 SCHEDULED FOR MAIDEN FLIGHT
[NASA RELEASE-84-164] P84-10245 06

SHAKESPEARE, WILLIAM
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST.
LOUIS P84-10030 05

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE
YEAR AWARDS BANQUET P84-10035 05

THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP
FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
P84-10036 05

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY
COMMITTEE MEETING, NEW YORK, N.Y. P84-10143 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
P84-10144 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS
ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
P84-10147 05

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.

SHAPIRO, MAURICE M.

PERSONAL NAMES INDEX

	P84-10149	05			
SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.	P84-10151	05	SHAW, BREWSTER HOPKINSON, JR. TWO SHUTTLE CREWS NAMED BY NASA [NASA RELEASE-84-11]	P84-10014	06
SUGGESTED REMARKS: MORTON THIOLKOL MANAGEMENT GROUP, POINT CLEAR, ALA.	P84-10154	05	NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS [NASA RELEASE-84-111]	P84-10128	06
UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.	P84-10155	05	SHAW, GEORGE BERNARD SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY	P84-10218	05
ROTARY CLUB OF WASHINGTON, D.C.	P84-10156	05	SHEPARD, ALAN BARTLETT, JR. NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06
SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C.	P84-10157	05	SHEPARD, ALLEN BARTLETT, JR. SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT ASSOCIATION HERBERT BOBACK MEMORIAL AWARD DINNER, ARLINGTON, VIRGINIA	P84-10221	05
SUGGESTED REMARKS: THIRD ANNUAL NICHOLSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.	P84-10158	05	SHEPHERD, WILLIAM M. NASA SELECTS 17 ASTRONAUT CANDIDATES [NASA RELEASE-84-64]	P84-10081	06
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.	P84-10159	05	SHERMAN, ALLAN NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE YEAR [NASA RELEASE-84-87]	P84-10104	06
SUGGESTED REMARKS: AIAA SPRING CONFERENCE, WILLIAMSBURG, VA.	P84-10162	05	SHEVIER, LOREN J. NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED SHUTTLE MISSION [NASA RELEASE-84-171]	P84-10252	06
SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C.	P84-10163	05	SHU, PETER NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS [NASA RELEASE-84-110]	P84-10127	06
NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY: COMMITTING TO EXCELLENCE, WASHINGTON, D.C.	P84-10206	05	SHULMAN, ELLEN L. NASA BEGINS SCREENING ASTRONAUT APPLICANTS [NASA RELEASE-84-15]	P84-10015	06
SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS HOLE, MASS	P84-10209	05	NASA SELECTS 17 ASTRONAUT CANDIDATES [NASA RELEASE-84-64]	P84-10081	06
SUGGESTED REMARKS: INTERNATIONAL PERSONNEL MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN, VA.	P84-10210	05	SILBERBERG, REIN SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING, WESTCHESTER COUNTY, N.Y.	P84-10213	05	SILBERUD, LAUREL O. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA	P84-10214	05	SILVEIRA, MILTON LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR FAILURE [NASA RELEASE-84-84]	P84-10101	06
SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE COMMITTEE ON JPL, WASHINGTON, D.C.	P84-10215	05	SILVERSTONE, KEN FISCAL YEAR 1985 BUDGET PRESS BRIEFING	P84-10032	05
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY, WASHINGTON, D.C.	P84-10217	05	SILVERBERG, ROBERT NASA SELECTS SPACE INFRARED TELESCOPE FACILITY INVESTIGATORS [NASA RELEASE-84-110]	P84-10127	06
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW YORK CITY	P84-10218	05	SIMON, GEORGE W. SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED [NASA RELEASE-84-74]	P84-10091	06
SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.	P84-10219	05	SIMON, MICHAEL C. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06
SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY, WASHINGTON, D.C.	P84-10222	05	SINGER, S. FRED NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED [NASA RELEASE-84-83]	P84-10100	06
SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY	P84-10224	05	SISSON, JAMES NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE [NASA RELEASE-84-54]	P84-10071	06
SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C.	P84-10225	05			
SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND	P84-10261	05			
SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, CCLCRALC SPRINGS, COLORADO	P84-10263	05			
SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE	P84-10265	05			
SHAPIRO, MAURICE M. SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES [NASA RELEASE-84-141]	P84-10196	06			

PERSONAL NAMES INDEX

STONE, NOBLE

SIVERTSON, W. EUGENE
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SLAUGHTER, JOHN B.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SMITH, BRADFORD A.
RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND
STAR
[NASA RELEASE-84-146] P84-10226 06

SMITH, D. M.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SMITH, FRED
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

SMITH, MICHAEL J.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SMITH, RICHARD G.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

SMITH, STEBLING
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

SNYDER, PHILLIP
LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
[NASA RELEASE-84-108] P84-10125 06

SOIFER, BARUCH THOMAS
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

SOLOMON, GEORGE
STATEMENT BY WILLIAM A. ANDRES BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10134 05

SONETT, C. P.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SPANBAUER, CHARLES E.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

SPRING, SHERWOOD C.
TWO SHUTTLE CREWS NAMED BY NASA
[NASA RELEASE-84-11] P84-10011 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SPRINGER, ROBERT C.
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE
SHUTTLE FLIGHTS
[NASA RELEASE-84-71] P84-10088 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

SQUIRES, STEVEN W.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

STAEBLE, ROBERT L.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STAFFORD, THOMAS PATTEN
FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

STAMPER, MALCOLM T.
NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

STAVROUDIS, CHRIS
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
[NASA RELEASE-84-20] P84-10020 06

STECHEE, THEODORE
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

STEBORTS, NANCY
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C. P84-10149 05

STEWART, C. C.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STEWART, IAN
PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
[NASA RELEASE-84-88] P84-10105 06

STEWART, JOHN G.
STATEMENT OF JOHN C. BRIZENDINE BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES P84-10168 05

STEWART, ROBERT L.
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STEWART, WILLIAM M.
GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

STICKFORD, G. H., JR.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STOCKMAN, DAVID A.
NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY
[NASA RELEASE-84-131] P84-10186 06

STOCKMAN, PETER
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE
SCIENCE INSTITUTE
[NASA RELEASE-84-73] P84-10090 06

STOFAN, ANDREW J.
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

STONE, NOBLE
NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
[NASA RELEASE-84-54] P84-10071 06

STONE, RANDY

PERSONAL NAMES INDEX

STONE, RANDY
51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STOOPS, RICHARD K.
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

STOUGH, PAUL
SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY
[NASA RELEASE-84-160] P84-10241 06

STERNISTE, G.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

STUMP, W. R.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SULLIVAN, G. W.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

SULLIVAN, KATHRYN D.
SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C. P84-10033 05

CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
[NASA RELEASE-84-76] P84-10093 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION (41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA P84-10214 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

SYVERTSON, C. A.
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER
[NASA RELEASE-84-5] P84-10005 06

SZATHMARI, LOUIS
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

TALTY, PATRICK R.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

TANTIPHANWADI, SAWAT
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

TASCIONE, T. P.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

TAVORNINA, ANNA M.
NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
[NASA RELEASE-84-26] P84-10026 06

TAYLOR, JOHN A.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

TAYLOR, LAWRENCE A.
SYMPOSIUM TO FCCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

T

TEMPLETON, PATRICK A.
+ STATEMENT OF PATRICK A. TEMPLETON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10166 05

TEMPLETON LEAVES NASA FOR WASHINGTON LAW OFFICE
[NASA RELEASE-84-156] P84-10237 06

TEERILE, RICHARD J.
RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
[NASA RELEASE-84-145] P84-10200 06

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
[NASA RELEASE-84-146] P84-10226 06

THAGARD, NORMAN E.
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

THALLER, LAWRENCE H.
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
P84-10118 06

THAYER, PAUL
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

THIENEL, CHARLES E.
ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
[NASA RELEASE-84-93] P84-10110 06

THOMAS, R. G.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

THOMAS, SCOTT
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

THORNTON, KATHRYN C.
NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

THORNTON, WILLIAM EDGAR, JR.
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

TILFORD, SHELBY G.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
[NASA RELEASE-84-22] P84-10022 06

+ STATEMENT BY SHELBY G. TILFORD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES P84-10202 05

TILLERY, M. L.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

TOFFLER, ALVIN
SUGGESTED REMARKS: THE CENTER GROUP, ST. LOUIS, MISSOURI P84-10031 05

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C. P84-10144 05

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE
P84-10265 05

TRAPP, T. J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

PERSONAL NAMES INDEX

WALDEN, VON

TRESCH-FIENBERG, RICHARD
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

TRINH, EUGENE H.
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

TRILOLO, JACK
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

TROTTI, G.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

TRUMAN, HARRY S.
SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

TSAO, C. H.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

TSOLKOWSKY, KONSTANTIN
SUGGESTED REMARKS: CONFERENCE COUNCIL FOR
INTERNATIONAL POLICY, WASHINGTON, D.C.
P84-10148 05

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

THAIN, MARK
SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

SUGGESTED REMARKS: AIA SPRING CONFERENCE,
WILLIAMSBURG, VA. P84-10162 05

V

VAN ALLEN, JAMES A.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

VAN DEN BERG, LCDENIJK
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

VAN HOFFEN, JAMES D.
APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
[NASA RELEASE-84-27] P84-10027 06

SHUTTLE MISSION 41-C BRIEFINGS SET
[NASA RELEASE-84-28] P84-10028 06

SUGGESTED REMARKS: NATIONAL SPACE CLUB,
WASHINGTON, D.C. P84-10033 05

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT
SHUTTLE FLIGHT
[NASA RELEASE-84-38] P84-10055 06

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
[NASA RELEASE-84-53] P84-10070 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

VANAMERELSVOOT, GARRY
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

VANCE, CYRUS
STATEMENT BY JAMES B. MCREISON BEFORE THE
COMMITTEE ON FOREIGN RELATIONS, UNITED STATES SENATE
P84-10203 05

VANDERHOFF, JOHN
FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
[NASA RELEASE-84-98] P84-10115 06

VANINAN, DAVID T.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

VAUGHN, PAH C.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

VEACH, CHARLES L.
NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

VENEY, DWIGHT
NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
[NASA RELEASE-84-173] P84-10254 06

VERN, JOEL
STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

VERNE, JULES
FIRST LUNAR LANDING 15 YEARS AGO
[NASA RELEASE-84-96] P84-10113 06

VILCEK, BRIAN L.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

VON BRAUN, MARIA
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

VON BRAUN, WERNHER
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

STATEMENT OF PHILIP E. CULBERTSON AND JOHN D.
HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND
APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY,
HOUSE OF REPRESENTATIVES P84-10040 05

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE
SYRACUSE UNIVERSITY, N.Y. P84-10151 05

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05

ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM,
WASHINGTON, D.C. P84-10220 05

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION
FUND (JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
[NASA RELEASE-84-153] P84-10223 05

VON BRAUN, WERNHER
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

W

WAGNER, CARL L., JR.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

WAGNER, RICHARD D.
LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY
[NASA RELEASE-84-161] P84-10242 06

WALDEN, VON
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-B
[NASA RELEASE-84-69] P84-10086 06

WALDRON, ROBERT D.

PERSONAL NAMES INDEX

WALDRON, ROBERT D.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WALDROP, MITCH
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

WALKER, BOB
SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR
SPACE COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C. P84-10217 05

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C. P84-10222 05

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW
YORK CITY P84-10224 05

WALKER, CHARLES DAVID
SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS
[NASA RELEASE-84-60] P84-10077 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON SIS 41-D
[NASA RELEASE-84-69] P84-10086 06

AUGUST SHUTTLE MISSION DEFINED
[NASA RELEASE-84-95] P84-10112 06

NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
P84-10129 06

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
P84-10146 05

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS
RECEPTION, KENNEDY SPACE CENTER, FLA.
P84-10150 05

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

STATEMENT BY L. J. EVANS, JR. BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION, UNITED STATES SENATE
P84-10236 05

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

WALKER, DAVID M.
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION
[NASA RELEASE-84-144] P84-10199 06

DISCOVERY'S SECOND MISSION SCHEDULED
[NASA RELEASE-84-149] P84-10229 06

HIGHLIGHTS OF 1984 NASA ACTIVITIES
[NASA RELEASE-84-179] P84-10260 06

51-A FLIGHT DIRECTORS BRIEFING P84-10266 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

WALKER, ROBERT
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

WALKER, RUSSELL G.
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

WALSH, MICHAEL J.
NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY
TAKE TURBULENCE
[NASA RELEASE-84-3] P84-10003 06

WALTERS, R.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WALTON, THOMAS S.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

WANG, TAYLOR G.
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
[NASA RELEASE-84-74] P84-10091 06

WASSMAN, WENDELL
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

WATSON, DAN
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WATSON, JUDITH J.
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
[NASA RELEASE-84-114] P84-10131 06

WEBB, JAMES E.
SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

WEBB, JIM
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
P84-10032 05

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION
CONFERENCE, WASHINGTON, D.C. P84-10161 05

SUGGESTED REMARKS: OPENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
P84-10208 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

WEBB, WILLIAM C.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

WEBER, DAN
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
[NASA RELEASE-84-4] P84-10004 06

WEEDMAN, DANIEL
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WERNER, MICHAEL
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WETHERBEE, JAMES D.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

NASA SELECTS 17 ASTRONAUT CANDIDATES
[NASA RELEASE-84-64] P84-10081 06

WHINERY, ROBERT A.
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
[NASA RELEASE-84-82] P84-10099 06

WHITE, EDWARD HIGGINS, II
SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE
COMBUSTION TOXICITY, WASHINGTON, D.C.
P84-10149 05

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE,
WASHINGTON, D.C. P84-10211 05

PERSONAL NAMES INDEX

YOUNG, JOHN WATTS

WHITNEY, ANNE
STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

WHITTEN, RAY
SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY,
APPLIED PHYSICS LABORATORY, JOHNS HOPKINS
UNIVERSITY, LAUREL, MARYLAND P84-10262 05

WILDER, THORNTON
SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN,
VA. P84-10210 05

WILL, GEORGE
SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON,
D.C. P84-10145 05
UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
P84-10155 05
ROTARY CLUB OF WASHINGTON, D.C. P84-10156 05

WILLIAMS, BILL ALVIN
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED
FOR TRAINING
[NASA RELEASE-84-1] P84-10001 06

WILLIAMS, DONALD E.
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
[NASA RELEASE-84-111] P84-10128 06

WILLIAMS, RICHARD J.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WILLIAMS, RON
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
[NASA RELEASE-84-91] P84-10108 06

WILLIAMS, TENNESSEE
SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

WILLIAMSON, DAVE
SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC.
CONFERENCE, WASHINGTON, D.C. P84-10157 05

WILLNER, STEVEN
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WILSON, CHARLIE
SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT
GROUP, POINT CLEAR, ALA. P84-10154 05

WILSON, GLEN P.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

WILSON, JOHN
NASA/RECON USES CONFERENCE SET FOR SEPTEMBER 27
AND 28
[NASA RELEASE-84-135] P84-10190 06

WILSON, R. G.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

WINCHESTER, JAMES W.
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR
NOAA
[NASA RELEASE-84-22] P84-10022 06

WINGROVE, BOB
NEW RESEARCH ON CLEAR-AIR TURBULENCE

[NASA RELEASE-84-165] P84-10246 06

WINPISINGER, WILLIAM
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

WITTEBORN, FRED
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WOERNER, CHARLES V.
CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE
[NASA RELEASE-84-133] P84-10188 06

WOODCOCK, GORDON
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WOODS, GRANVILLE T.
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY
MONTH, WASHINGTON, D.C. P84-10034 05

WOOLF, BEVILLE
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

WRIGHT, AUDREY A.
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
[NASA RELEASE-84-15] P84-10015 06

WRIGHT, ORVILLE
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

WRIGHT, ROBIN A.
SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE
ACTIVITIES
[NASA RELEASE-84-141] P84-10196 06

WRIGHT, WILBUR
SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI P84-10216 05

WYCKOFF, SUSAN
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
[NASA RELEASE-84-72] P84-10089 06

WYETH, JAMES B.
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
[NASA RELEASE-84-83] P84-10100 06

Y

YEAGER, CHUCK
SUGGESTED REMARKS: THIRD ANNUAL MICHELSON
MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
P84-10158 05

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY P84-10218 05

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF. P84-10219 05

YOUNG, ERIC
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
[NASA RELEASE-84-77] P84-10094 06

NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
[NASA RELEASE-84-110] P84-10127 06

YOUNG, JOHN WATTS
SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S
SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
P84-10159 05

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
P84-10268 05

YOUNG, L. E.

PERSONAL NAMES INDEX

YOUNG, L. E.

DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
[NASA RELEASE-84-69] P84-10086 06

DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
[NASA RELEASE-84-117] P84-10172 06

Z

ZEIGELHEIM, JOHN

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
P84-10201 05

SECTION 3

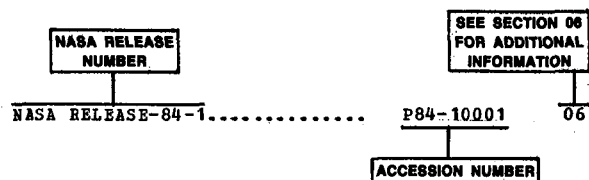
NEW RELEASE NUMBER INDEX

INDEX TO NASA NEWS RELEASES AND SPEECHES

MARCH 1985

1984

Typical News Release Number Index Listing



The index correlates each news release number with its corresponding accession number. Following the accession number is a two-digit number which designates the reference section containing the complete citation. News release numbers that were assigned but not used have been omitted from this listing.

NASA RELEASE-84-1.....	P84-10001	06
NASA RELEASE-84-2.....	P84-10002	06
NASA RELEASE-84-3.....	P84-10003	06
NASA RELEASE-84-4.....	P84-10004	06
NASA RELEASE-84-5.....	P84-10005	06
NASA RELEASE-84-6.....	P84-10006	06
NASA RELEASE-84-7.....	P84-10007	06
NASA RELEASE-84-8.....	P84-10008	06
NASA RELEASE-84-9.....	P84-10009	06
NASA RELEASE-84-10.....	P84-10010	06
NASA RELEASE-84-11.....	P84-10011	06
NASA RELEASE-84-12.....	P84-10012	06
NASA RELEASE-84-13.....	P84-10013	06
NASA RELEASE-84-14.....	P84-10014	06
NASA RELEASE-84-15.....	P84-10015	06
NASA RELEASE-84-16.....	P84-10016	06
NASA RELEASE-84-17.....	P84-10017	06
NASA RELEASE-84-18.....	P84-10018	06
NASA RELEASE-84-19.....	P84-10019	06
NASA RELEASE-84-20.....	P84-10020	06
NASA RELEASE-84-21.....	P84-10021	06
NASA RELEASE-84-22.....	P84-10022	06
NASA RELEASE-84-23.....	P84-10023	06
NASA RELEASE-84-24.....	P84-10024	06
NASA RELEASE-84-25.....	P84-10025	06
NASA RELEASE-84-26.....	P84-10026	06
NASA RELEASE-84-27.....	P84-10027	06
NASA RELEASE-84-28.....	P84-10028	06
NASA RELEASE-84-29.....	P84-10029	06
NASA RELEASE-84-30.....	P84-10047	06
NASA RELEASE-84-31.....	P84-10048	06
NASA RELEASE-84-32.....	P84-10049	06
NASA RELEASE-84-38.....	P84-10055	06
NASA RELEASE-84-39.....	P84-10056	06
NASA RELEASE-84-40.....	P84-10057	06
NASA RELEASE-84-41.....	P84-10058	06
NASA RELEASE-84-42.....	P84-10059	06
NASA RELEASE-84-43.....	P84-10060	06
NASA RELEASE-84-44.....	P84-10061	06
NASA RELEASE-84-45.....	P84-10062	03
NASA RELEASE-84-46.....	P84-10063	06
NASA RELEASE-84-47.....	P84-10064	03
NASA RELEASE-84-48.....	P84-10065	06
NASA RELEASE-84-49.....	P84-10066	06
NASA RELEASE-84-50.....	P84-10067	06
NASA RELEASE-84-51.....	P84-10068	06
NASA RELEASE-84-52.....	P84-10069	06
NASA RELEASE-84-53.....	P84-10070	06
NASA RELEASE-84-54.....	P84-10071	06
NASA RELEASE-84-55.....	P84-10073	06
NASA RELEASE-84-57.....	P84-10074	06
NASA RELEASE-84-58.....	P84-10075	06

NASA RELEASE-84-59.....	P84-10076	06
NASA RELEASE-84-60.....	P84-10077	06
NASA RELEASE-84-61.....	P84-10078	06
NASA RELEASE-84-62.....	P84-10079	06
NASA RELEASE-84-63.....	P84-10080	06
NASA RELEASE-84-64.....	P84-10081	06
NASA RELEASE-84-65.....	P84-10082	06
NASA RELEASE-84-66.....	P84-10083	06
NASA RELEASE-84-67.....	P84-10084	06
NASA RELEASE-84-68.....	P84-10085	06
NASA RELEASE-84-69.....	P84-10086	06
NASA RELEASE-84-70.....	P84-10087	06
NASA RELEASE-84-71.....	P84-10088	06
NASA RELEASE-84-72.....	P84-10089	06
NASA RELEASE-84-73.....	P84-10090	06
NASA RELEASE-84-74.....	P84-10091	06
NASA RELEASE-84-76.....	P84-10093	06
NASA RELEASE-84-77.....	P84-10094	06
NASA RELEASE-84-78.....	P84-10095	06
NASA RELEASE-84-79.....	P84-10096	06
NASA RELEASE-84-80.....	P84-10097	06
NASA RELEASE-84-81.....	P84-10098	06
NASA RELEASE-84-82.....	P84-10099	06
NASA RELEASE-84-83.....	P84-10100	06
NASA RELEASE-84-84.....	P84-10101	06
NASA RELEASE-84-85.....	P84-10102	06
NASA RELEASE-84-86.....	P84-10103	06
NASA RELEASE-84-87.....	P84-10104	06
NASA RELEASE-84-88.....	P84-10105	06
NASA RELEASE-84-89.....	P84-10106	06
NASA RELEASE-84-90.....	P84-10107	06
NASA RELEASE-84-91.....	P84-10108	06
NASA RELEASE-84-92.....	P84-10109	06
NASA RELEASE-84-93.....	P84-10110	06
NASA RELEASE-84-94.....	P84-10111	06
NASA RELEASE-84-95.....	P84-10112	06
NASA RELEASE-84-96.....	P84-10113	06
NASA RELEASE-84-97.....	P84-10114	06
NASA RELEASE-84-98.....	P84-10115	06
NASA RELEASE-84-99.....	P84-10116	06
NASA RELEASE-84-100.....	P84-10117	06
NASA RELEASE-84-102.....	P84-10119	06
NASA RELEASE-84-103.....	P84-10120	06
NASA RELEASE-84-104.....	P84-10121	06
NASA RELEASE-84-105.....	P84-10122	06
NASA RELEASE-84-106.....	P84-10123	06
NASA RELEASE-84-107.....	P84-10124	06
NASA RELEASE-84-108.....	P84-10125	06
NASA RELEASE-84-109.....	P84-10126	06
NASA RELEASE-84-110.....	P84-10127	06
NASA RELEASE-84-111.....	P84-10128	06
NASA RELEASE-84-113.....	P84-10130	06
NASA RELEASE-84-114.....	P84-10131	06
NASA RELEASE-84-115.....	P84-10132	06
NASA RELEASE-84-116.....	P84-10133	06
NASA RELEASE-84-117.....	P84-10172	06
NASA RELEASE-84-118.....	P84-10173	06
NASA RELEASE-84-119.....	P84-10174	06
NASA RELEASE-84-120.....	P84-10175	06
NASA RELEASE-84-121.....	P84-10176	06
NASA RELEASE-84-122.....	P84-10177	06
NASA RELEASE-84-123.....	P84-10178	06
NASA RELEASE-84-124.....	P84-10179	06
NASA RELEASE-84-125.....	P84-10180	06
NASA RELEASE-84-126.....	P84-10181	06
NASA RELEASE-84-127.....	P84-10182	06
NASA RELEASE-84-128.....	P84-10183	06
NASA RELEASE-84-129.....	P84-10184	06
NASA RELEASE-84-130.....	P84-10185	06
NASA RELEASE-84-131.....	P84-10186	06
NASA RELEASE-84-132.....	P84-10187	06
NASA RELEASE-84-133.....	P84-10188	06
NASA RELEASE-84-134.....	P84-10189	06
NASA RELEASE-84-135.....	P84-10190	06
NASA RELEASE-84-136.....	P84-10191	06

NUMBERS

NEWS RELEASE NUMBER INDEX

NASA RELEASE-84-137.....	P84-10192	06
NASA RELEASE-84-138.....	P84-10193	06
NASA RELEASE-84-139.....	P84-10194	06
NASA RELEASE-84-140.....	P84-10195	06
NASA RELEASE-84-141.....	P84-10196	06
NASA RELEASE-84-142.....	P84-10197	06
NASA RELEASE-84-143.....	P84-10198	06
NASA RELEASE-84-144.....	P84-10199	06
NASA RELEASE-84-145.....	P84-10200	06
NASA RELEASE-84-146.....	P84-10226	06
NASA RELEASE-84-147.....	P84-10227	06
NASA RELEASE-84-148.....	P84-10228	06
NASA RELEASE-84-149.....	P84-10229	06
NASA RELEASE-84-150.....	P84-10230	06
NASA RELEASE-84-151.....	P84-10231	06
NASA RELEASE-84-152.....	P84-10232	06
NASA RELEASE-84-153.....	P84-10223	05
NASA RELEASE-84-154.....	P84-10234	06
NASA RELEASE-84-155.....	P84-10235	06
NASA RELEASE-84-156.....	P84-10237	06
NASA RELEASE-84-157.....	P84-10238	06
NASA RELEASE-84-158.....	P84-10239	06
NASA RELEASE-84-159.....	P84-10240	06
NASA RELEASE-84-160.....	P84-10241	06
NASA RELEASE-84-161.....	P84-10242	06
NASA RELEASE-84-162.....	P84-10243	06
NASA RELEASE-84-163.....	P84-10244	06
NASA RELEASE-84-164.....	P84-10245	06
NASA RELEASE-84-165.....	P84-10246	06
NASA RELEASE-84-166.....	P84-10247	06
NASA RELEASE-84-167.....	P84-10248	06
NASA RELEASE-84-168.....	P84-10249	06
NASA RELEASE-84-169.....	P84-10250	06
NASA RELEASE-84-170.....	P84-10251	06
NASA RELEASE-84-171.....	P84-10252	06
NASA RELEASE-84-172.....	P84-10253	06
NASA RELEASE-84-173.....	P84-10254	06
NASA RELEASE-84-175.....	P84-10256	06
NASA RELEASE-84-176.....	P84-10257	06
NASA RELEASE-84-177.....	P84-10258	06
NASA RELEASE-84-178.....	P84-10259	06
NASA RELEASE-84-179.....	P84-10260	06

SECTION 4

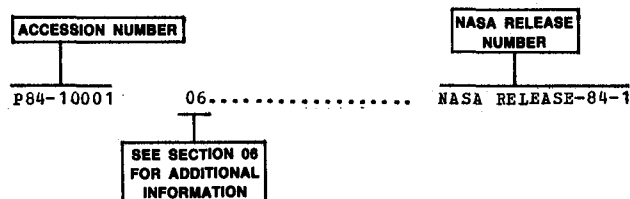
ACCESSION NUMBER INDEX

INDEX TO NASA NEWS RELEASES AND SPEECHES

MARCH 1985

1984

Typical Accession Number Index Listing



The index correlates each accession number with its corresponding news release number, if assigned. The accession number is followed by a two-digit number which designates the reference section containing the complete citation. The statement NO REPORT NUMBER appears for unnumbered news releases and speeches.

P84-10001	06.....	NASA RELEASE-84-1	P84-10067	06.....	NASA RELEASE-84-50
P84-10002	06.....	NASA RELEASE-84-2	P84-10068	06.....	NASA RELEASE-84-51
P84-10003	06.....	NASA RELEASE-84-3	P84-10069	06.....	NASA RELEASE-84-52
P84-10004	06.....	NASA RELEASE-84-4	P84-10070	06.....	NASA RELEASE-84-53
P84-10005	06.....	NASA RELEASE-84-5	P84-10071	06.....	NASA RELEASE-84-54
P84-10006	06.....	NASA RELEASE-84-6	P84-10073	06.....	NASA RELEASE-84-55
P84-10007	06.....	NASA RELEASE-84-7	P84-10074	06.....	NASA RELEASE-84-57
P84-10008	06.....	NASA RELEASE-84-8	P84-10075	06.....	NASA RELEASE-84-58
P84-10009	06.....	NASA RELEASE-84-9	P84-10076	06.....	NASA RELEASE-84-59
P84-10010	06.....	NASA RELEASE-84-10	P84-10077	06.....	NASA RELEASE-84-60
P84-10011	06.....	NASA RELEASE-84-11	P84-10078	06.....	NASA RELEASE-84-61
P84-10012	06.....	NASA RELEASE-84-12	P84-10079	06.....	NASA RELEASE-84-62
P84-10013	06.....	NASA RELEASE-84-13	P84-10080	06.....	NASA RELEASE-84-63
P84-10014	06.....	NASA RELEASE-84-14	P84-10081	06.....	NASA RELEASE-84-64
P84-10015	06.....	NASA RELEASE-84-15	P84-10082	06.....	NASA RELEASE-84-65
P84-10016	06.....	NASA RELEASE-84-16	P84-10083	06.....	NASA RELEASE-84-66
P84-10017	06.....	NASA RELEASE-84-17	P84-10084	06.....	NASA RELEASE-84-67
P84-10018	06.....	NASA RELEASE-84-18	P84-10085	06.....	NASA RELEASE-84-68
P84-10019	06.....	NASA RELEASE-84-19	P84-10086	06.....	NASA RELEASE-84-69
P84-10020	06.....	NASA RELEASE-84-20	P84-10087	06.....	NASA RELEASE-84-70
P84-10021	06.....	NASA RELEASE-84-21	P84-10088	06.....	NASA RELEASE-84-71
P84-10022	06.....	NASA RELEASE-84-22	P84-10089	06.....	NASA RELEASE-84-72
P84-10023	06.....	NASA RELEASE-84-23	P84-10090	06.....	NASA RELEASE-84-73
P84-10024	06.....	NASA RELEASE-84-24	P84-10091	06.....	NASA RELEASE-84-74
P84-10025	06.....	NASA RELEASE-84-25	P84-10093	06.....	NASA RELEASE-84-76
P84-10026	06.....	NASA RELEASE-84-26	P84-10094	06.....	NASA RELEASE-84-77
P84-10027	06.....	NASA RELEASE-84-27	P84-10095	06.....	NASA RELEASE-84-78
P84-10028	06.....	NASA RELEASE-84-28	P84-10096	06.....	NASA RELEASE-84-79
P84-10029	06.....	NASA RELEASE-84-29	P84-10097	06.....	NASA RELEASE-84-80
P84-10030	05.....	NO REPORT NUMBER	P84-10098	06.....	NASA RELEASE-84-81
P84-10031	05.....	NO REPORT NUMBER	P84-10099	06.....	NASA RELEASE-84-82
P84-10032	05.....	NO REPORT NUMBER	P84-10100	06.....	NASA RELEASE-84-83
P84-10033	05.....	NO REPORT NUMBER	P84-10101	06.....	NASA RELEASE-84-84
P84-10034	05.....	NO REPORT NUMBER	P84-10102	06.....	NASA RELEASE-84-85
P84-10035	05.....	NO REPORT NUMBER	P84-10103	06.....	NASA RELEASE-84-86
P84-10036	05.....	NO REPORT NUMBER	P84-10104	06.....	NASA RELEASE-84-87
P84-10037	05.....	NO REPORT NUMBER	P84-10105	06.....	NASA RELEASE-84-88
P84-10038	05.....	NO REPORT NUMBER	P84-10106	06.....	NASA RELEASE-84-89
P84-10039	05.....	NO REPORT NUMBER	P84-10107	06.....	NASA RELEASE-84-90
P84-10040	05.....	NO REPORT NUMBER	P84-10108	06.....	NASA RELEASE-84-91
P84-10041	05.....	NO REPORT NUMBER	P84-10109	06.....	NASA RELEASE-84-92
P84-10042	05.....	NO REPORT NUMBER	P84-10110	06.....	NASA RELEASE-84-93
P84-10047	06.....	NASA RELEASE-84-30	P84-10111	06.....	NASA RELEASE-84-94
P84-10048	06.....	NASA RELEASE-84-31	P84-10112	06.....	NASA RELEASE-84-95
P84-10049	06.....	NASA RELEASE-84-32	P84-10113	06.....	NASA RELEASE-84-96
P84-10055	06.....	NASA RELEASE-84-38	P84-10114	06.....	NASA RELEASE-84-97
P84-10056	06.....	NASA RELEASE-84-39	P84-10115	06.....	NASA RELEASE-84-98
P84-10057	06.....	NASA RELEASE-84-40	P84-10116	06.....	NASA RELEASE-84-99
P84-10058	06.....	NASA RELEASE-84-41	P84-10117	06.....	NASA RELEASE-84-100
P84-10059	06.....	NASA RELEASE-84-42	P84-10118	06.....	NO REPORT NUMBER
P84-10060	06.....	NASA RELEASE-84-43	P84-10119	06.....	NASA RELEASE-84-102
P84-10061	06.....	NASA RELEASE-84-44	P84-10120	06.....	NASA RELEASE-84-103
P84-10062	03.....	NASA RELEASE-84-45	P84-10121	06.....	NASA RELEASE-84-104
P84-10063	06.....	NASA RELEASE-84-46	P84-10122	06.....	NASA RELEASE-84-105
P84-10064	03.....	NASA RELEASE-84-47	P84-10123	06.....	NASA RELEASE-84-106
P84-10065	06.....	NASA RELEASE-84-48	P84-10124	06.....	NASA RELEASE-84-107
P84-10066	06.....	NASA RELEASE-84-49	P84-10125	06.....	NASA RELEASE-84-108
			P84-10126	06.....	NASA RELEASE-84-109
			P84-10127	06.....	NASA RELEASE-84-110
			P84-10128	06.....	NASA RELEASE-84-111
			P84-10129	06.....	NO REPORT NUMBER
			P84-10130	06.....	NASA RELEASE-84-113
			P84-10131	06.....	NASA RELEASE-84-114
			P84-10132	06.....	NASA RELEASE-84-115
			P84-10133	06.....	NASA RELEASE-84-116
			P84-10134	05.....	NO REPORT NUMBER
			P84-10135	05.....	NO REPORT NUMBER
			P84-10136	05.....	NO REPORT NUMBER
			P84-10137	05.....	NO REPORT NUMBER
			P84-10138	05.....	NO REPORT NUMBER
			P84-10139	05.....	NO REPORT NUMBER
			P84-10140	05.....	NO REPORT NUMBER
			P84-10141	05.....	NO REPORT NUMBER
			P84-10142	05.....	NO REPORT NUMBER
			P84-10143	05.....	NO REPORT NUMBER
			P84-10144	05.....	NO REPORT NUMBER
			P84-10145	05.....	NO REPORT NUMBER
			P84-10146	05.....	NO REPORT NUMBER
			P84-10147	05.....	NO REPORT NUMBER
			P84-10148	05.....	NO REPORT NUMBER

ACCESSION

ACCESSION NUMBER INDEX

P84-10149	C5.....	NO REPORT NUMBER	P84-10239	06.....	NASA RELEASE-84-158
P84-10150	05.....	NO REPORT NUMBER	P84-10240	06.....	NASA RELEASE-84-159
P84-10151	05.....	NO REPORT NUMBER	P84-10241	06.....	NASA RELEASE-84-160
P84-10152	05.....	NO REPORT NUMBER	P84-10242	06.....	NASA RELEASE-84-161
P84-10153	05.....	NO REPORT NUMBER	P84-10243	06.....	NASA RELEASE-84-162
P84-10154	05.....	NO REPORT NUMBER	P84-10244	06.....	NASA RELEASE-84-163
P84-10155	C5.....	NO REPORT NUMBER	P84-10245	06.....	NASA RELEASE-84-164
P84-10156	C5.....	NO REPORT NUMBER	P84-10246	06.....	NASA RELEASE-84-165
P84-10157	05.....	NO REPORT NUMBER	P84-10247	06.....	NASA RELEASE-84-166
P84-10158	05.....	NO REPORT NUMBER	P84-10248	06.....	NASA RELEASE-84-167
P84-10159	C5.....	NO REPORT NUMBER	P84-10249	06.....	NASA RELEASE-84-168
P84-10160	05.....	NO REPORT NUMBER	P84-10250	06.....	NASA RELEASE-84-169
P84-10161	05.....	NO REPORT NUMBER	P84-10251	06.....	NASA RELEASE-84-170
P84-10162	05.....	NO REPORT NUMBER	P84-10252	06.....	NASA RELEASE-84-171
P84-10163	05.....	NO REPORT NUMBER	P84-10253	06.....	NASA RELEASE-84-172
P84-10164	C5.....	NO REPORT NUMBER	P84-10254	06.....	NASA RELEASE-84-173
P84-10165	C5.....	NO REPORT NUMBER	P84-10255	06.....	NASA RELEASE-84-175
P84-10166	C5.....	NO REPORT NUMBER	P84-10257	06.....	NASA RELEASE-84-176
P84-10167	05.....	NO REPORT NUMBER	P84-10258	06.....	NASA RELEASE-84-177
P84-10168	C5.....	NO REPORT NUMBER	P84-10259	06.....	NASA RELEASE-84-178
P84-10169	C5.....	NO REPORT NUMBER	P84-10260	06.....	NASA RELEASE-84-179
P84-10170	C5.....	NO REPORT NUMBER	P84-10261	05.....	NO REPORT NUMBER
P84-10171	05.....	NO REPORT NUMBER	P84-10262	05.....	NO REPORT NUMBER
P84-10172	C6.....	NASA RELEASE-84-117	P84-10263	05.....	NO REPORT NUMBER
P84-10173	06.....	NASA RELEASE-84-118	P84-10264	05.....	NO REPORT NUMBER
P84-10174	06.....	NASA RELEASE-84-119	P84-10265	05.....	NO REPORT NUMBER
P84-10175	06.....	NASA RELEASE-84-120	P84-10266	05.....	NO REPORT NUMBER
P84-10176	06.....	NASA RELEASE-84-121	P84-10267	05.....	NO REPORT NUMBER
P84-10177	C6.....	NASA RELEASE-84-122	P84-10268	05.....	NO REPORT NUMBER
P84-10178	C6.....	NASA RELEASE-84-123			
P84-10179	C6.....	NASA RELEASE-84-124			
P84-10180	C6.....	NASA RELEASE-84-125			
P84-10181	06.....	NASA RELEASE-84-126			
P84-10182	06.....	NASA RELEASE-84-127			
P84-10183	06.....	NASA RELEASE-84-128			
P84-10184	06.....	NASA RELEASE-84-129			
P84-10185	06.....	NASA RELEASE-84-130			
P84-10186	06.....	NASA RELEASE-84-131			
P84-10187	06.....	NASA RELEASE-84-132			
P84-10188	06.....	NASA RELEASE-84-133			
P84-10189	06.....	NASA RELEASE-84-134			
P84-10190	06.....	NASA RELEASE-84-135			
P84-10191	06.....	NASA RELEASE-84-136			
P84-10192	C6.....	NASA RELEASE-84-137			
P84-10193	06.....	NASA RELEASE-84-138			
P84-10194	06.....	NASA RELEASE-84-139			
P84-10195	06.....	NASA RELEASE-84-140			
P84-10196	06.....	NASA RELEASE-84-141			
P84-10197	06.....	NASA RELEASE-84-142			
P84-10198	06.....	NASA RELEASE-84-143			
P84-10199	06.....	NASA RELEASE-84-144			
P84-10200	C6.....	NASA RELEASE-84-145			
P84-10201	05.....	NO REPORT NUMBER			
P84-10202	C5.....	NO REPORT NUMBER			
P84-10203	C5.....	NO REPORT NUMBER			
P84-10204	C5.....	NO REPORT NUMBER			
P84-10205	C5.....	NO REPORT NUMBER			
P84-10206	C5.....	NO REPORT NUMBER			
P84-10207	C5.....	NO REPORT NUMBER			
P84-10208	C5.....	NO REPORT NUMBER			
P84-10209	05.....	NO REPORT NUMBER			
P84-10210	05.....	NO REPORT NUMBER			
P84-10211	C5.....	NO REPORT NUMBER			
P84-10212	C5.....	NO REPORT NUMBER			
P84-10213	C5.....	NO REPORT NUMBER			
P84-10214	C5.....	NO REPORT NUMBER			
P84-10215	C5.....	NO REPORT NUMBER			
P84-10216	C5.....	NO REPORT NUMBER			
P84-10217	05.....	NO REPORT NUMBER			
P84-10218	C5.....	NO REPORT NUMBER			
P84-10219	C5.....	NO REPORT NUMBER			
P84-10220	C5.....	NO REPORT NUMBER			
P84-10221	C5.....	NO REPORT NUMBER			
P84-10222	C5.....	NO REPORT NUMBER			
P84-10223	C5.....	NASA RELEASE-84-153			
P84-10224	C5.....	NO REPORT NUMBER			
P84-10225	C5.....	NO REPORT NUMBER			
P84-10226	06.....	NASA RELEASE-84-146			
P84-10227	06.....	NASA RELEASE-84-147			
P84-10228	C6.....	NASA RELEASE-84-148			
P84-10229	C6.....	NASA RELEASE-84-149			
P84-10230	C6.....	NASA RELEASE-84-150			
P84-10231	C6.....	NASA RELEASE-84-151			
P84-10232	C6.....	NASA RELEASE-84-152			
P84-10234	C6.....	NASA RELEASE-84-154			
P84-10235	C6.....	NASA RELEASE-84-155			
P84-10236	C5.....	NO REPORT NUMBER			
P84-10237	C6.....	NASA RELEASE-84-156			
P84-10238	C6.....	NASA RELEASE-84-157			

SECTION 5

INDEX TO NASA NEWS RELEASES AND SPEECHES

1984

SPEECHES

MARCH 1985

Typical Speech Entry

ACCESSION NUMBER	TITLE	AUTHOR	NUMBER OF PAGES
P84-10031	SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI	BEGGS, JAMES MONTGOMERY	13P
3 FEB. 1984			
DATE OF RELEASE			

The listing provides the complete citation for each speech indexed in this publication. Included for each speech are the title (or supplied title, indicated by the symbols < and >), name of speaker, NASA affiliation of speaker, occasion and date of presentation, and other reference information.

P84-10030
SUGGESTED REMARKS: WORLD AFFAIRS COUNCIL OF ST. LOUIS
BEGGS, JAMES MONTGOMERY
3 FEB. 1984 14P

P84-10031
SUGGESTED REMARKS: THE CENTERRE GROUP, ST. LOUIS, MISSOURI
BEGGS, JAMES MONTGOMERY
3 FEB. 1984 13P

P84-10032
FISCAL YEAR 1985 BUDGET PRESS BRIEFING
BEGGS, JAMES MONTGOMERY
31 JAN. 1984 36P

P84-10033
SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
25 JAN. 1984 12P

P84-10034
SUGGESTED REMARKS: INAUGURATION OF BLACK HISTORY MONTH, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
1 FEB. 1984 4P

P84-10035
SUGGESTED REMARKS: FEDERAL ENGINEERING OF THE YEAR AWARDS BANQUET
BEGGS, JAMES MONTGOMERY
22 FEB. 1984 6P

P84-10036
THE PRESIDENT'S PLAN FOR SPACE: A PARTNERSHIP FOR PROGRESS. STATEMENT FOR PRESS BRIEFING
BEGGS, JAMES MONTGOMERY
26 JAN. 1984 4P

P84-10037
NASA BUDGET PRESS CONFERENCE
BEGGS, JAMES MONTGOMERY
31 JAN. 1984 4P

P84-10038
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION, UNITED STATES SENATE
BEGGS, JAMES MONTGOMERY

28 FEB. 1984 12P

P84-10039
STATEMENT OF JAMES A. ABRAHAMSON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
ABRAHAMSON, JAMES A.
22 FEB. 1984 19P

P84-10040
STATEMENT OF PHILIP E. CULBERTSON AND JOHN D. HODGE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
CULBERTSON, PHILIP E.
2 FEB. 1984 12P

P84-10041
STATEMENT OF JOHN J. MARTIN BEFORE THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
MARTIN, JOHN J.
9 FEB. 1984 44P

P84-10042
STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
ALLER, ROBERT O.
29 FEB. 1984 12P

P84-10134
STATEMENT BY WILLIAM A. ANDERS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
ANDERS, WILLIAM ALISON
2 AUG. 1984 9P

P84-10135
STATEMENT OF DONALD P. HEARTH BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
HEARTH, DONALD P.
1 AUG. 1984 15P

P84-10136
STATEMENT OF WILLIAM R. LUCAS BEFORE THE SUBCOMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
LUCAS, WILLIAM R.
1 AUG. 1984 14P

P84-10137
STATEMENT BY JESSE W. MOORE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
MOORE, JESSE W.
31 JUL. 1984 8P

P84-10138
STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
BEGGS, JAMES MONTGOMERY
31 JUL. 1984 3P

P84-10139
STATEMENT BY JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, UNITED STATES SENATE
BEGGS, JAMES MONTGOMERY
29 MAR. 1984 12P

SPEECHES

SPEECHES

P84-10140

STATEMENT OF JAMES M. BEGGS BEFORE THE SUBCOMMITTEE ON HUD-INDEPENDENT AGENCIES, COMMITTEE ON APPROPRIATIONS, HOUSE OF REPRESENTATIVES
BEGGS, JAMES MONTGOMERY
27 MAR. 1984 12P

P84-10141

SUGGESTED REMARKS: ASIAN/PACIFIC AMERICAN HERITAGE WEEK, NASA HEADQUARTERS
BEGGS, JAMES MONTGOMERY
10 MAY 1984 4P

P84-10142

REMARKS PREPARED FOR DELIVERY TO: ANNUAL CONVENTION, AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, WASHINGTON, D.C.
1 MAY 1984 10P

P84-10143

SUGGESTED REMARKS: CHASE INTERNATIONAL ADVISORY COMMITTEE MEETING, NEW YORK, N.Y.
BEGGS, JAMES MONTGOMERY
30 APR. 1984 18P

P84-10144

SUGGESTED REMARKS: AERO CLUB OF WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
24 APR. 1984 10P

P84-10145

SUGGESTED REMARKS: METROPOLITAN CLUB, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
23 APR. 1984 12P

P84-10146

SUGGESTED REMARKS: TOUCHE ROSS BREAKFAST SERIES
BEGGS, JAMES MONTGOMERY
11 JUL. 1984 9P

P84-10147

SUGGESTED REMARKS: AMERICAN DEFENSE PREPAREDNESS ASSOCIATION, LONE STAR CHAPTER, FT. WORTH, TEXAS
BEGGS, JAMES MONTGOMERY
6 JUL. 1984 10P

P84-10148

SUGGESTED REMARKS: CORPORATE COUNCIL FOR INTERNATIONAL POLICY, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
28 JUN. 1984 12P

P84-10149

SUGGESTED REMARKS: NATIONAL CONFERENCE ON FIRE COMBUSTION TOXICITY, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
26 JUN. 1984 10P

P84-10150

SUGGESTED REMARKS: 41-D MANNED FLIGHT AWARENESS RECEPTION, KENNEDY SPACE CENTER, FLA.
BEGGS, JAMES MONTGOMERY
17 JUN. 1984 4P

P84-10151

SUGGESTED REMARKS: SALZBERG MEMORIAL LECTURE SYRACUSE UNIVERSITY, N.Y.
BEGGS, JAMES MONTGOMERY
5 APR. 1984 29P

P84-10152

SUGGESTED REMARKS: STUDENT SHUTTLE INVOLVEMENT PROGRAM, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
26 JUL. 1984 7P

P84-10153

SUGGESTED REMARKS: THIRD ANNUAL INTERNATIONAL CONFERENCE, STUDENTS FOR THE EXPLORATION AND DEVELOPMENT OF SPACE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
20 JUL. 1984 14P

P84-10154

SUGGESTED REMARKS: MORTON THICKOL MANAGEMENT GROUP, FCI/NT CLEAR, ALA.
BEGGS, JAMES MONTGOMERY
17 APR. 1984 10P

P84-10155

UNITED STATES CHAMBER OF COMMERCE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
12 APR. 1984 12P

P84-10156

ROTARY CLUB OF WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
11 APR. 1984 12P

P84-10157

SUGGESTED REMARKS: CENTER FOR SPACE POLICY INC. CONFERENCE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
26 MAR. 1984 12P

P84-10158

SUGGESTED REMARKS: THIRD ANNUAL MICHELSON MEMORIAL LECTURE, U.S. NAVAL ACADEMY, ANNAPOLIS, MD.
BEGGS, JAMES MONTGOMERY
21 MAR. 1984 16P

P84-10159

SUGGESTED REMARKS: AMERICAN BAR ASSOCIATION'S SECTION ON PUBLIC CONTRACT LAW, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
12 JUN. 1984 13P

P84-10160

SUGGESTED REMARKS: HEADQUARTERS HONORS AWARDS CEREMONY, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
12 JUN. 1984 7P

P84-10161

SUGGESTED REMARKS: TECHNOLOGY UTILIZATION CONFERENCE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
25 MAY 1984 6P

P84-10162

SUGGESTED REMARKS: AIA SPRING CONFERENCE, WILLIAMSBURG, VA.
BEGGS, JAMES MONTGOMERY
24 MAY 1984 11P

P84-10163

SUGGESTED REMARKS: GEORGE WASHINGTON UNIVERSITY POLICY STUDIES PROGRAM, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
22 MAY 1984 11P

P84-10164

STATEMENT OF RONALD J. PHILIPS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
PHILIPS, RONALD J.
29 FEB. 1984 10P

P84-10165

STATEMENT OF ROBERT O. ALLER BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
ALLER, ROBERT O.
29 FEB. 1984 12P

P84-10166

STATEMENT OF PATRICK A. TEMPLETON BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
TEMPLETON, PATRICK A.
29 FEB. 1984 3P

P84-10167

STATEMENT BY JOHN W. BOYD BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
BOYD, JOHN W.
1 MAR. 1984 8P

P84-10168

STATEMENT OF JOHN C. BRIZENDINE BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF REPRESENTATIVES
BRIZENDINE, JOHN C.

SPEECHES

2 AUG. 1984 11F

P84-10169

STATEMENT OF GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES
GRIFFIN, GERALD D.
1 AUG. 1984 7F

P84-10170

STATEMENT OF BILLIE J. MCGARVEY BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE
OF REPRESENTATIVES
MCGARVEY, BILLIE J.
1 MAR. 1984 6F

P84-10171

STATEMENT OF S. NEIL HOSENEALL BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS AND
THE SUBCOMMITTEE ON TRANSPORTATION, AVIATION AND
MATERIALS, COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE
OF REPRESENTATIVES
HOSENEALL, S. NEIL
1 MAR. 1984 2P

P84-10201

STATEMENT BY THOMAS E. MCGUNIGAL BEFORE THE
SUBCOMMITTEE ON NATURAL RESOURCES, AGRICULTURE,
RESEARCH AND ENVIRONMENT, COMMITTEE ON SCIENCE AND
TECHNOLOGY, HOUSE OF REPRESENTATIVES
MCGUNIGAL, THOMAS E.
18 SEP. 1984 27P

P84-10202

STATEMENT BY SHELLEY G. TILFORD BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS,
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES
TILFORD, SHELLEY G.
13 SEP. 1984 9F

P84-10203

STATEMENT BY JAMES R. MORRISON BEFORE THE COMMITTEE
ON FOREIGN RELATIONS, UNITED STATES SENATE
MORRISON, JAMES R.
13 SEP. 1984 10F

P84-10204

STATEMENT BY ISAAC T. GILLAM, IV BEFORE THE
SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE,
COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION,
UNITED STATES SENATE
GILLAM, ISAAC T., IV
6 SEP. 1984 6F

P84-10205

STATEMENT BY GERALD D. GRIFFIN BEFORE THE
SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS
COMMITTEE ON SCIENCE AND TECHNOLOGY, HOUSE OF
REPRESENTATIVES
GRIFFIN, GERALD D.
1 AUG. 1984 7P

P84-10206

NASA SYMPOSIUM ON PRODUCTIVITY AND QUALITY:
COMMITTING TO EXCELLENCE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
25 SEP. 1984 12P

P84-10207

SUGGESTED REMARKS: WHITE HOUSE EVENT
BEGGS, JAMES MONTGOMERY
17 OCT. 1984 3P

P84-10208

SUGGESTED REMARKS: CEENING OF NASA ADMINISTRATORS
EXHIBIT, NATIONAL AIR AND SPACE MUSEUM
BEGGS, JAMES MONTGOMERY
15 AUG. 1984 9F

P84-10209

SUGGESTED REMARKS: SPACE SCIENCE BOARD MEETING WOODS
HOLE, MASS
BEGGS, JAMES MONTGOMERY
20 AUG. 1984 6P

P84-10210

SUGGESTED REMARKS: INTERNATIONAL PERSONNEL
MANAGEMENT ASSOCIATION ANNUAL CONFERENCE, ROSSLYN, VA.
BEGGS, JAMES MONTGOMERY
11 SEP. 1984 11P

P84-10211

SUGGESTED REMARKS: LOW MEMORIAL TRIBUTE, WASHINGTON,
D.C.
BEGGS, JAMES MONTGOMERY
19 SEP. 1984 4P

P84-10212

SUGGESTED REMARKS: PRESIDENTIAL MANAGEMENT INTERNS'
FORUM, THE U.S. AND THE NEW SPACE AGE, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
20 SEP. 1984 12P

P84-10213

SUGGESTED REMARKS: GOLDMAN SACHS AND CO. MEETING,
WESTCHESTER COUNTY, N.Y.
BEGGS, JAMES MONTGOMERY
22 SEP. 1984 12P

P84-10214

SUGGESTED REMARKS: MANNED FLIGHT AWARENESS RECEPTION
(41-G) T-2 DAYS, KENNEDY SPACE CENTER, FLORIDA
BEGGS, JAMES MONTGOMERY
3 OCT. 1984 4P

P84-10215

SUGGESTED REMARKS: MEETING OF CALTECH TRUSTEE
COMMITTEE ON JPL, WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
24 SEP. 1984 7P

P84-10216

SUGGESTED REMARKS: ST. LOUIS BUSINESS ROUNDTABLE
LUNCHEON, MISSOURI
WRIGHT, ORVILLE
28 SEP. 1984 11P

P84-10217

SUGGESTED REMARKS: SEMINAR ON "PROSPECTS FOR SPACE
COMMERCIALIZATION", CENTER FOR STRATEGIC AND
INTERNATIONAL STUDIES, GEORGETOWN UNIVERSITY,
WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
9 OCT. 1984 12P

P84-10218

SUGGESTED REMARKS: WINGS CLUB AWARDS DINNER, NEW
YORK CITY
BEGGS, JAMES MONTGOMERY
23 OCT. 1984 8P

P84-10219

SUGGESTED REMARKS: HONOR AWARDS CEREMONY, AMES
RESEARCH CENTER, MOFFETT FIELD, CALIF.
BEGGS, JAMES MONTGOMERY
26 OCT. 1984 6P

P84-10220

SUGGESTED REMARK: LUNAR BASE SYMPOSIUM, WASHINGTON,
D.C.
BEGGS, JAMES MONTGOMERY
29 OCT. 1984 11P

P84-10221

SUGGESTED REMARKS: NATIONAL CONTRACT MANAGEMENT
ASSOCIATION HERBERT ROBACK MEMORIAL AWARD DINNER,
ARLINGTON, VIRGINIA
BEGGS, JAMES MONTGOMERY
1 NOV. 1984 12P

P84-10222

SUGGESTED REMARKS: RUSSELL REYNOLDS COMPANY,
WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
8 NOV. 1984 14P

P84-10223

ENTERPRISE TO DEPART LOUISIANA WORLD EXPOSITION FUND
(JUNIOR LEAGUE OF WASHINGTON), WASHINGTON, D.C.
BEGGS, JAMES MONTGOMERY
12 NOV. 1984 12P
NASA RELEASE-84-153

SPEECHES

P84-10224

SUGGESTED REMARKS: WORLD TRADE CENTER CLUB, NEW YORK CITY

BEGGS, JAMES MONTGOMERY
13 NOV. 1984 14F

P84-10225

SUGGESTED REMARKS: AIAA NATIONAL CAPITAL SECTION, WASHINGTON, D.C.

BEGGS, JAMES MONTGOMERY
16 NOV. 1984 11P

P84-10236

STATEMENT BY L. J. EVANS, JR. BEFORE THE SUBCOMMITTEE ON SCIENCE, TECHNOLOGY AND SPACE, COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION, UNITED STATES SENATE

EVANS, L. J., JR.
19 NOV. 1984 4F

P84-10261

SUGGESTED REMARKS: APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL MARYLAND

BEGGS, JAMES MONTGOMERY
5 DEC. 1984 11F

P84-10262

SUGGESTED REMARKS: SPACE ACT AWARDS CEREMONY, APPLIED PHYSICS LABORATORY, JOHNS HOPKINS UNIVERSITY, LAUREL, MARYLAND

BEGGS, JAMES MONTGOMERY
5 DEC. 1984 6P

P84-10263

SUGGESTED REMARKS: UNITED STATES SPACE FOUNDATION SYMPOSIUM, COLORADO SPRINGS, COLORADO

BEGGS, JAMES MONTGOMERY
27 NOV. 1984 13P

P84-10264

SUGGESTED REMARKS: LEWIS RESEARCH CENTER ANNUAL HONOR AWARDS CEREMONY, CLEVELAND, OHIO

BEGGS, JAMES MONTGOMERY
19 NOV. 1984 7F

P84-10265

SUGGESTED REMARKS: WHITE HOUSE COMPUTER CONFERENCE

BEGGS, JAMES MONTGOMERY
18 DEC. 1984 13P

P84-10266

51-A FLIGHT DIRECTORS BRIEFING
BCURGEON, LARRY

11 OCT. 1984 14P

P84-10267

STS 51-1 SATELLITE RETRIEVAL BRIEFING
LUNNEY, GLENN S.

11 OCT. 1984 15P

P84-10268

STS 51-A PREFLIGHT CREW PRESS CONFERENCE
HAUCK, FREDERICK H.

12 OCT. 1984 15P

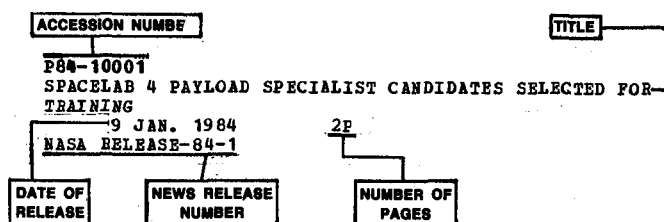
SECTION 6

INDEX TO NASA NEWS RELEASES AND SPEECHES 1984

NEWS RELEASES

MARCH 1985

Typical News Release Entry



The listing provides the complete citation for each news release indexed in this publication. Included for each news release are the title, date of release, News Release Number (if any), and other reference information.

P84-10001
SPACELAB 4 PAYLOAD SPECIALIST CANDIDATES SELECTED FOR TRAINING
9 JAN. 1984 2P
NASA RELEASE-84-1

P84-10002
NASA AND PRIVATE FIRM TO NEGOTIATE FOR COMMERCIAL DELTA PROGRAM
10 JAN. 1984 1P
NASA RELEASE-84-2

P84-10003
NASA RESEARCH FINDS AIRCRAFT SURFACE GROOVES MAY TAHE TURBULENCE
12 JAN. 1984 3P
NASA RELEASE-84-3

P84-10004
ASTRONAUTS TO PRACTICE FOR SATELLITE RESCUE
23 JAN. 1984 35P
NASA RELEASE-84-4

P84-10005
BALLHAUS NAMED DIRECTOR OF NASA'S AMES RESEARCH CENTER
25 JAN. 1984 2P
NASA RELEASE-84-5

P84-10006
ORBITER COLUMBIA TO UNDERGO MODIFICATIONS IN CALIFORNIA
23 JAN. 1984 1P
NASA RELEASE-84-6

P84-10007
NASA DEVICE COULD CUT UHF-TV POWER USAGE IN HALF
24 JAN. 1984 2P
NASA RELEASE-84-7

P84-10008
CINEMA-360 CAMERA SYSTEM TO DOCUMENT SHUTTLE FLIGHTS
26 JAN. 1984 2P
NASA RELEASE-84-8

P84-10009
NASA TO TEST INFLIGHT REFUELING FOR SPACE SHUTTLE FERRY FLIGHTS
26 JAN. 1984 2P
NASA RELEASE-84-9

P84-10010
MARTIN HEADS AERONAUTICS AND SPACE TECHNOLOGY OFFICE

30 JAN. 1984 1P
NASA RELEASE-84-10

P84-10011
TWO SHUTTLE CREWS NAMED BY NASA
2 FEB. 1984 2P
NASA RELEASE-84-11

P84-10012
NASA TO FLY CANADIAN AS A PAYLOAD SPECIALIST ON SHUTTLE
2 FEB. 1984 1P
NASA RELEASE-84-12

P84-10013
TELEPHONE SERVICE TO BE AVAILABLE FOR SPACELAB MISSION
2 FEB. 1984 1P
NASA RELEASE-84-13

P84-10014
3M ANNOUNCES LONG-RANGE BASIC RESEARCH PROGRAM IN SPACE
FEB. 1984 3P
NASA RELEASE-84-14

P84-10015
NASA BEGINS SCREENING ASTRONAUT APPLICANTS
FEB. 1984 3P
NASA RELEASE-84-15

P84-10016
SPACE RESEARCH INDICATES GRAVITY AFFECTS BONE GROWTH
FEB. 1984 2P
NASA RELEASE-84-16

P84-10017
U.S. BIOLOGY EXPERIMENTS FLOWN SUCCESSFULLY ON SOVIET SATELLITE
FEB. 1984 1P
NASA RELEASE-84-17

P84-10018
NEW EVIDENCE FOUND FOR HUGE VOLCANOES ON VENUS
13 FEB. 1984 4P
NASA RELEASE-84-18

P84-10019
NASA CENTER USES CERAMIC COATINGS TO INCREASE ROCKET ENGINE LIFE
FEB. 1984 2P
NASA RELEASE-84-19

P84-10020
NASA PHOTO TECHNIQUES USED TO HELP PRESERVE FINE ART
15 FEB. 1984 2P
NASA RELEASE-84-20

P84-10021
SHUTTLE CARRIER AIRCRAFT FLIGHT REFUELING TESTS SUSPENDED
10 FEB. 1984 1P
NASA RELEASE-84-21

P84-10022
NASA TO LAUNCH NEW EARTH RESOURCES SATELLITE FOR NOAA
15 FEB. 1984 20P
NASA RELEASE-84-22

P84-10023
NASA NAMES THREE MEMBERS OF 51-K CREW
14 FEB. 1984 1P
NASA RELEASE-84-23

P84-10024
KRATOVIL TO HEAD NASA'S INDUSTRY AFFAIRS OFFICE
FEB. 1984 1P
NASA RELEASE-84-24

NEWS RELEASES

NEWS RELEASES

P84-10025

JOHNSON NAMED LEAD NASA CENTER FOR SPACE STATION
15 FEB. 1984 1P
NASA RELEASE-84-25

P84-10026

NASA SCREENS SECOND GROUP OF ASTRONAUT APPLICANTS
FEB. 1984 3P
NASA RELEASE-84-26

P84-10027

APRIL 6 SET AS LAUNCH DATE FOR SHUTTLE MISSION 41-C
FEB. 1984 1P
NASA RELEASE-84-27

P84-10028

SHUTTLE MISSION 41-C BRIEFINGS SET
27 FEB. 1984 1P
NASA RELEASE-84-28

P84-10029

NASA ANNOUNCES LONG RANGE PLAN FOR INDUSTRIAL SPACE
FACILITY
28 FEB. 1984 1P
NASA RELEASE-84-29

P84-10047

NASA TO COOPERATE IN COMET SIGHTING REHEARSAL
28 FEB. 1984 2P
NASA RELEASE-84-30

P84-10048

NASA SETS UP SPACE STATION DEVELOPMENT TEAMS
29 FEB. 1984 2P
NASA RELEASE-84-31

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10049

NASA SELECTS LOCKHEED-GEORGIA FOR PROPPAN CONTRACT
NEGOTIATIONS
5 MAR. 1984 2P
NASA RELEASE-84-32

P84-10055

SOLAR MAX REPAIR, LDEF DEPLOYMENT HIGHLIGHT SHUTTLE
FLIGHT
MAR. 1984 39P
NASA RELEASE-84-38

P84-10056

NASA ADMINISTRATOR OUTLINES FUTURE IN SPACE
21 MAR. 1984 2P
NASA RELEASE-84-39

P84-10057

NASA APPOINTS ACTING SPACE FLIGHT CHIEF
27 MAR. 1984 2P
NASA RELEASE-84-40

P84-10058

NASA AWARDS CONTRACTS FOR OCEANOGRAPHIC SATELLITE
MAR. 1984 2P
NASA RELEASE-84-41

P84-10059

NASA RSRA TO BEGIN FLIGHT TEST IN NEW CONFIGURATION
MAR. 1984 1P
NASA RELEASE-84-42

P84-10060

COMET KOPEE TO BE TARGET FOR NASA RENDEZVOUS
30 MAR. 1984 2P
NASA RELEASE-84-43

P84-10061

LEWIS CENTER AWARDS CONTRACT FOR TWO SHUTTLE/CENTAUR
VEHICLES
APR. 1984 1P
NASA RELEASE-84-44

P84-10063

SHUTTLE MISSION 41-D LAUNCH DATE ADJUSTED
MAR. 1984 1P
NASA RELEASE-84-46

P84-10065

TELEPHONE SERVICE TO BE AVAILABLE FOR SHUTTLE MISSION
APR. 1984 1P
NASA RELEASE-84-48

P84-10066

NASA COMPLETES CHECKOUT; TURNS LANDSAT-5 OVER TO NOAA
APR. 1984 1P
NASA RELEASE-84-49

P84-10067

SPACE STATION APPOINTMENTS ANNOUNCED AT JOHNSON CENTER
9 APR. 1984 2P
NASA RELEASE-84-50

P84-10068

SPACE AGENCY AIDED INVENTOR OF PROGRAMMABLE
MEDICATION SYSTEM
APR. 1984 2P
NASA RELEASE-84-51

P84-10069

NASA SIGNS AGREEMENT WITH ISRAEL FOR EARTHQUAKE STUDY
14 MAY 1984 2P
NASA RELEASE-84-52

P84-10070

GODDARD TEAM SAVES THE DAY FOR SOLAR MAX
APR. 1984 3P
NASA RELEASE-84-53

P84-10071

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
25 APR. 1984 3P
NASA RELEASE-84-54

P84-10071

NASA REQUESTS EXPERIMENTS FOR TETHERED SATELLITE
25 APR. 1984 3P
NASA RELEASE-84-54

P84-10073

CRAY-2 TO BE USED IN NASA RESEARCH
1984 1P
NASA RELEASE-84-55

P84-10074

EARTH OBSERVATION MISSION PAYLOAD SPECIALISTS NAMED
1984 2P
NASA RELEASE-84-57

P84-10075

NASA TO TRANSFER OWNERSHIP OF VIKING LANDER 1 TO MUSEUM
16 MAY 1984 1P
NASA RELEASE-84-58

P84-10076

ASTRONAUT T. J. HART TO LEAVE NASA
18 MAY 1984 1P
NASA RELEASE-84-59

P84-10077

SHUTTLE MISSION 41-D PREFLIGHT BRIEFINGS

NEWS RELEASES

16 MAY 1984 1P
NASA RELEASE-84-60

P84-10078
NASA SEEKS MICROGRAVITY RESEARCH PROPOSALS
21 MAY 1984 1P
NASA RELEASE-84-61

P84-10079
"STRETCHED" ATLAS CENTAUR TO LAUNCH INTELSAT V-F9
31 MAY 1984 3P
NASA RELEASE-84-62

P84-10080
NASA TO CONDUCT TECHNOLOGY UTILIZATION CONFERENCE
30 MAY 1984 1P
NASA RELEASE-84-63

P84-10081
NASA SELECTS 17 ASTRONAUT CANDIDATES
29 MAY 1984 4P
NASA RELEASE-84-64

P84-10082
DR. HANS MARK ACCEPTS NEW FCST AT UNIVERSITY OF TEXAS
SYSTEM
30 MAY 1984 2P
NASA RELEASE-84-65

P84-10083
NASA WORKS TO IMPROVE AERIAL APPLICATION OF CHEMICALS
31 MAY 1984 3P
NASA RELEASE-84-66

P84-10084
SPACE TELESCOPE SCIENCE INSTRUMENTS COMPLETE
ACCEPTANCE TESTING
31 MAY 1984 2P
NASA RELEASE-84-67

P84-10085
NASA FINDS AUTO TECHNOLOGY FEASIBLE FOR AIRCRAFT
APPLICATIONS
31 MAY 1984 1P
NASA RELEASE-84-68

P84-10086
DISCOVERY TO MAKE MAIDEN FLIGHT ON STS 41-D
6 JUN. 1984 29P
NASA RELEASE-84-69

P84-10087
NASA CENTER AWARDS X-RAY OBSERVATORY STUDY CONTRACT
14 JUN. 1984 3P
NASA RELEASE-84-70

P84-10088
NASA ANNOUNCES CREW MEMBERS FOR FUTURE SPACE SHUTTLE
FLIGHTS
8 JUN. 1984 2P
NASA RELEASE-84-71

P84-10089
SCIENTISTS SELECTED TO OBSERVE HALLEY'S COMET
11 JUN. 1984 3P
NASA RELEASE-84-72

P84-10090
ASTRONOMERS DESCRIBE WORK AT SPACE TELESCOPE SCIENCE
INSTITUTE
7 JUN. 1984 1P
NASA RELEASE-84-73

P84-10091
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
8 JUN. 1984 3P
NASA RELEASE-84-74

P84-10091
SPACELAB 3 AND 2 PAYLOAD SPECIALISTS NAMED
8 JUN. 1984 3P
NASA RELEASE-84-74

P84-10093
CREW MEMBER ADDED TO SHUTTLE MISSION 41-G
13 JUN. 1984 2P
NASA RELEASE-84-76

P84-10094
NEW IRAS RESULTS OUTLINED AT ASTRONOMICAL SOCIETY
MEETING
14 JUN. 1984 3P
NASA RELEASE-84-77

P84-10095
IRAS IDENTIFIES ADDITIONAL STARS WITH POSSIBLE SOLAR
SYSTEMS
15 JUN. 1984 2P
NASA RELEASE-84-78

P84-10096
ATLAS CENTAUR FAILURE REVIEW BOARD NAMED
15 JUN. 1984 2P
NASA RELEASE-84-79

P84-10097
ASTRO PAYLOAD SPECIALISTS SELECTED
20 JUN. 1984 3P
NASA RELEASE-84-80

P84-10098
INTERNATIONAL SEARCH AND RESCUE PROGRAM SAVES 223 LIVES
29 JUN. 1984 2P
NASA RELEASE-84-81

P84-10099
FINALISTS CHOSEN IN SHUTTLE STUDENT PROJECT
21 JUN. 1984 4P
NASA RELEASE-84-82

P84-10100
NEW NASA EDUCATIONAL PROGRAM FOR SCIENCE AND MATH
ANNOUNCED
19 JUN. 1984 4P
NASA RELEASE-84-83

P84-10101
LIQUID OXYGEN LEAK POSSIBLE CAUSE OF ATLAS CENTAUR
FAILURE
29 JUN. 1984 1P
NASA RELEASE-84-84

P84-10102
FOUR NASA CENTERS ASSIGNED SPACE STATION STUDIES
28 JUN. 1984 2P
NASA RELEASE-84-85

P84-10103
NASA MATHEMATICIAN RECEIVES AWARD FOR COMPUTER
BREAKTHROUGH
29 JUN. 1984 3P
NASA RELEASE-84-86

P84-10104
NASA WEAR-PROOF REFRIGERATOR IN OPERATION FOR ONE YEAR
29 JUN. 1984 2P
NASA RELEASE-84-87

P84-10105
PIONEER CAN MAKE UNIQUE HALLEY'S COMET OBSERVATION
29 JUN. 1984 4P
NASA RELEASE-84-88

P84-10106
HUGHES AIRCRAFT NOMINATES PAYLOAD SPECIALISTS FOR
SHUTTLE FLIGHTS
5 JUL. 1984 1P
NASA RELEASE-84-89

P84-10107
NASA AWARDS ORBITAL TRANSFER VEHICLE STUDY CONTRACTS
5 JUL. 1984 2P
NASA RELEASE-84-90

P84-10108
NASA CONDUCTS GYPSY MOTH SURVEY ON EAST COAST
6 JUL. 1984 1P
NASA RELEASE-84-91

P84-10109
NASA TO PARTICIPATE IN OSHKOSH AVIATION EXHIBITION
6 JUL. 1984 2P
NASA RELEASE-84-92

P84-10110
ENVIRONMENTAL SATELLITE DEVELOPS ATTITUDE PROBLEM
16 JUL. 1984 2P

NEWS RELEASES

NASA RELEASE-84-93

P84-10111
TEACHER WORKSHOPS TO BE HELD AT NASA CENTERS
10 JUL. 1984 2P
NASA RELEASE-84-94

P84-10112
AUGUST SHUTTLE MISSION DEFINED
12 JUL. 1984 2P
NASA RELEASE-84-95

P84-10113
FIRST LUNAR LANDING 15 YEARS AGO
18 JUL. 1984 4P
NASA RELEASE-84-96

P84-10114
MATTHEW TO LEAVE ASTRONAUT CORPS FOR NAVY POST
16 JUL. 1984 1P
NASA RELEASE-84-97

P84-10115
FIRST SPACE PRODUCT SET TO BE DEVELOPED FOR
COMMERCIAL USE
17 JUL. 1984 2P
NASA RELEASE-84-98

P84-10116
APOLLO 11 CREW TO VISIT WORLD'S FAIR JULY 20
17 JUL. 1984 1P
NASA RELEASE-84-99

P84-10117
NASA TECHNOLOGY TRANSMITTED TO SCHOOLS VIA TELEVISION
24 JUL. 1984 2P
NASA RELEASE-84-100

P84-10118
NASA TRANSFERS ENERGY TECHNOLOGY TO SOHIO
3 AUG. 1984 2P

P84-10119
NASA SELECTS CONTRACTORS FOR ORBITAL MANEUVERING
VEHICLE STUDY
24 JUL. 1984 2P
NASA RELEASE-84-102

P84-10120
NASA LEWIS AWARDS \$11.5 MILLION CONTRACT TO BROOK
PARK FIRM
26 JUL. 1984 1P
NASA RELEASE-84-103

P84-10121
NASA HEADQUARTERS SPACE STATION OFFICE ESTABLISHED
27 JUL. 1984 2P
NASA RELEASE-84-104

P84-10122
ASSOCIATE ADMINISTRATOR FOR SPACE FLIGHT APPOINTED
27 JUL. 1984 1P
NASA RELEASE-84-105

P84-10123
ASSOCIATE DEPUTY ADMINISTRATOR APPOINTED
27 JUL. 1984 1P
NASA RELEASE-84-106

P84-10124
ASSOCIATE ADMINISTRATOR FOR MANAGEMENT APPOINTED
27 JUL. 1984 1P
NASA RELEASE-84-107

P84-10125
LASER TECHNOLOGY USED TO IMPROVE AIRCRAFT DESIGN
2 AUG. 1984 2P
NASA RELEASE-84-108

P84-10126
AMTPE LAUNCH SCHEDULED
2 AUG. 1984 2P
NASA RELEASE-84-109

P84-10127
NASA SELECTS SPACE INFRARED TELESCOPE FACILITY
INVESTIGATORS
16 AUG. 1984 3P
NASA RELEASE-84-110

P84-10128
NASA ANNOUNCES UPDATED FLIGHT CREW ASSIGNMENTS
3 AUG. 1984 5P
NASA RELEASE-84-111

P84-10129
LAUNCH DATE SET FOR SHUTTLE MISSION 41-D
8 AUG. 1984 1P

P84-10130
ADVANCED COMMUNICATIONS TECHNOLOGY SATELLITE CONTRACT
AWARDED
10 AUG. 1984 2P
NASA RELEASE-84-113

P84-10131
NASA WORK-PLATFORM STUDIES MAY LEAD TO REAL SPACE
CONSTRUCTION
20 AUG. 1984 3P
NASA RELEASE-84-114

P84-10132
ASTRONAUT WILLIAM B. LENOIR TO LEAVE NASA
16 AUG. 1984 2P
NASA RELEASE-84-115

P84-10133
NASA ANNOUNCES PLANS TO RETRIEVE PALAPA B-2 SATELLITE
16 AUG. 1984 1P
NASA RELEASE-84-116

P84-10172
DISCOVERY TO MAKE MAIDEN FLIGHT ON MISSION 41-D
30P
NASA RELEASE-84-117

P84-10173
NASA SELECTS USBI FOR SRB ASSEMBLY AND REFURBISHMENT
CONTRACT
17 AUG. 1984 1P
NASA RELEASE-84-118

P84-10174
NASA FIRE RESISTANT AIRCRAFT MATERIALS TESTED
24 AUG. 1984 2P
NASA RELEASE-84-119

P84-10175
MARKETING NASA SEEKS SHUTTLE MARKETING CONTRACTOR
SPACE TRANSPORTATION SYSTEM REQUEST FOR PROPOSALS
CONTRACT DURATION SPACE SHUTTLE PAYLOADS
24 AUG. 1984 2P
NASA RELEASE-84-120

P84-10176
BACTERIAL ENZYME MAY BE REMNANT OF EARLY EVOLUTION
27 AUG. 1984 2P
NASA RELEASE-84-121

P84-10177
NASA TO FLY EDUCATOR ON SHUTTLE MISSION
27 AUG. 1984 2P
NASA RELEASE-84-122

P84-10178
NASA PROGRAM ADVANCING COMPOSITE FLIGHT RESEARCH
31 AUG. 1984 3P
NASA RELEASE-84-123

P84-10179
41-D CREW TO FILM SHUTTLE MISSION FOR IMAX AND CINEMA-
360
29 AUG. 1984 2P
NASA RELEASE-84-124

P84-10180
NEW EXPLORER TO INVESTIGATE EXTREME ULTRAVIOLET BAND
31 AUG. 1984 2P
NASA RELEASE-84-125

P84-10181
NASA AND CNES AGREE TO COOPERATE IN SHUTTLE EMERGENCY
SUPPORT
11 SEP. 1984 1P
NASA RELEASE-84-126

P84-10182
ULYSSES NEW NAME FOR INTERNATIONAL SOLAR POLAR MISSION
10 SEP. 1984 2P

NEWS RELEASES

NASA RELEASE-84-127

P84-10183

NASA TO LAUNCH THIRD GALAXY SATELLITE
11 SEP. 1984 2P

NASA RELEASE-84-128

P84-10184

ISAAC T. GILLAM TO HEAD NASA'S OFFICE OF COMMERCIAL PROGRAMS

11 SEP. 1984 2P

NASA RELEASE-84-129

P84-10185

SPACE STATION PROPOSALS SOUGHT

14 SEP. 1984 3P

NASA RELEASE-84-130

P84-10186

NASA TO HOLD SYMPOSIUM ON PRODUCTIVITY AND QUALITY

17 SEP. 1984 2P

NASA RELEASE-84-131

P84-10187

LAUNCH DATE SET FOR 41-G SHUTTLE MISSION

18 SEP. 1984 1P

NASA RELEASE-84-132

P84-10188

CHALLENGER'S SIXTH FLIGHT HIGHLIGHTS EARTH SCIENCE

1 OCT. 1984 32P

NASA RELEASE-84-133

P84-10189

NASA ANNOUNCES NEW NATIONAL AWARD TO RECOGNIZE CORPORATE QUALITY

25 SEP. 1984 2P

NASA RELEASE-84-134

P84-10190

NASA/RECON USERS CONFERENCE SET FOR SEPTEMBER 27 AND 28

21 SEP. 1984 1P

NASA RELEASE-84-135

P84-10191

NASA WILL RETRIEVE SECOND SATELLITE ON 51-A SHUTTLE MISSION

21 SEP. 1984 1P

NASA RELEASE-84-136

P84-10192

PAYLOAD SPECIALIST FROM INDIA TO FLY ON SHUTTLE

27 SEP. 1984 1P

NASA RELEASE-84-137

P84-10193

NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS

27 SEP. 1984 1P

NASA RELEASE-84-138

P84-10194

TWENTY YEARS OF NASA/ESA COOPERATION

1 OCT. 1984 2P

NASA RELEASE-84-139

P84-10195

SECOND STEP COMPLETED IN FIRST ACTIVE DEEP SPACE PROBE

28 SEP. 1984 2P

NASA RELEASE-84-140

P84-10196

SYMPOSIUM TO FOCUS ON FUTURE LUNAR AND SPACE ACTIVITIES

4 OCT. 1984 7P

NASA RELEASE-84-141

P84-10197

NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS -- PHASE II

4 OCT. 1984 1P

NASA RELEASE-84-142

P84-10198

NASA AND 3M COMPANY SIGN JOINT AGREEMENT

3 OCT. 1984 1P

NASA RELEASE-84-143

P84-10199

DATE SET FOR NOVEMBER SHUTTLE RETRIEVAL MISSION

5 OCT. 1984 1P

NASA RELEASE-84-144

P84-10200

RIGS OF URANUS PHOTOGRAPHED FOR FIRST TIME
10 OCT. 1984 2P

NASA RELEASE-84-145

P84-10226

PHOTOGRAPHS INDICATE POSSIBLE SOLAR SYSTEM AROUND STAR
15 OCT. 1984 3P

NASA RELEASE-84-146

P84-10227

NASA SELECTS UNIVERSITIES FOR RESEARCH

19 OCT. 1984 2P

NASA RELEASE-84-147

P84-10228

NASA ANNOUNCES FLIGHT ASSIGNMENTS AND CHANGES
22 OCT. 1984 2P

NASA RELEASE-84-148

P84-10229

DISCOVERY'S SECOND MISSION SCHEDULED

NOV. 1984 25P

NASA RELEASE-84-149

P84-10230

NASA SET TO LAUNCH NOAA-F METEOROLOGICAL SATELLITE
30 OCT. 1984 6P

NASA RELEASE-84-150

P84-10231

ALABAMA CONSTRUCTION FIRM AWARDED MULTI-MILLION DOLLAR CONTRACT

26 OCT. 1984 1P

NASA RELEASE-84-151

P84-10232

CHINA DEPOSITS EARNEST MONEY FOR SATELLITE LAUNCH SERVICES

31 OCT. 1984 1P

NASA RELEASE-84-152

P84-10232

CHINA DEPOSITS EARNEST MONEY FOR SATELLITE LAUNCH SERVICES

31 OCT. 1984 1P

NASA RELEASE-84-152

P84-10234

NASA ANNOUNCES DELAY OF 51-C SPACE SHUTTLE MISSION

5 NOV. 1984 1P

NASA RELEASE-84-154

P84-10235

NASA SEEKS TEACHER FOR EARLY 1986 SHUTTLE MISSION

8 NOV. 1984 2P

NASA RELEASE-84-155

P84-10237

TEMPLETON LEAVES NASA FOR WASHINGTON LAW OFFICE

13 NOV. 1984 1P

NASA RELEASE-84-156

P84-10238

ASTRONAUT DON PETERSON TO LEAVE NASA

15 NOV. 1984 1P

NASA RELEASE-84-157

P84-10239

NASA RELEASES COMMERCIAL USE OF SPACE POLICY

20 NOV. 1984 2P

NASA RELEASE-84-158

P84-10240

NASA RECEIVES 13 BIDS FOR SPACE STATION WORK

19 NOV. 1984 3P

NASA RELEASE-84-159

P84-10241

SIMPLE CHANGES TO LIGHT PLANE WING INCREASE SAFETY

28 NOV. 1984 3P

NASA RELEASE-84-160

P84-10242

LAMINAR AIR FLOW PROCESS KEY TO FUEL EFFICIENCY

26 NOV. 1984 3P

NASA RELEASE-84-161

NEWS RELEASES

P84-10243

NASA SEEKS PROPOSALS FOR F-8 OBLIQUE PRELIMINARY DESIGN
21 NOV. 1984 2P
NASA RELEASE-84-162

P84-10244

HEARTH TO LEAVE LANGLEY, PETERSEN NAMED DIRECTOR
21 NOV. 1984 2P
NASA RELEASE-84-163

P84-10245

X-29 SCHEDULED FOR MAIDEN FLIGHT
26 NOV. 1984 1P
NASA RELEASE-84-164

P84-10246

NEW RESEARCH ON CLEAR-AIR TURBULENCE
29 NOV. 1984 3P
NASA RELEASE-84-165

P84-10247

GARY E. KRIER TO HEAD NASA COMMERCIAL DEVELOPMENT
DIVISION
30 NOV. 1984 1P
NASA RELEASE-84-166

P84-10248

NASA RECOGNIZES JOHNS HOPKINS TEAM FOR MEDICAL
DEVELOPMENT
5 DEC. 1984 2P
NASA RELEASE-84-167

P84-10249

JSC PUBLIC INFORMATION CHIEF TO RETIRE
10 DEC. 1984 1P
NASA RELEASE-84-168

P84-10250

IRAS ASTRONOMICAL CATALOG AVAILABLE
12 DEC. 1984 3P
NASA RELEASE-84-169

P84-10251

ARTIFICIAL COMET VISIBLE IN WESTERN U.S. ON CHRISTMAS
DAY
13 DEC. 1984 3P
NASA RELEASE-84-170

P84-10252

NASA SETS LAUNCH DATE FOR FIRST DOD DEDICATED SHUTTLE
MISSION
17 DEC. 1984 1P
NASA RELEASE-84-171

P84-10253

MARSHALL CENTER TO CONDUCT FAN NOZZLE TESTS
13 DEC. 1984 1P
NASA RELEASE-84-172

P84-10254

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
21 DEC. 1984 2P
NASA RELEASE-84-173

P84-10254

NASA TO ASSIST IN ESTABLISHING SATELLITE DATA LINK
21 DEC. 1984 2P
NASA RELEASE-84-173

P84-10256

NASA AND INDIA SIGN LAUNCH AGREEMENT
18 DEC. 1984 1P
NASA RELEASE-84-175

P84-10257

NASA SELECTS BOEING COMPUTER SERVICES FOR
COMMUNICATIONS CONTRACT
20 DEC. 1984 2P
NASA RELEASE-84-176

P84-10258

NASA ANNOUNCES SHUTTLE SCHEDULE FOR FIRST SIX FLIGHTS
IN 1985
21 DEC. 1984 1P
NASA RELEASE-84-177

P84-10259

NASA MAY FLY BY ASTEROID WITH GALILEO SPACECRAFT
27 DEC. 1984 3P

NASA RELEASE-84-178

P84-10260

HIGHLIGHTS OF 1984 NASA ACTIVITIES
28 DEC. 1984 12P
NASA RELEASE-84-179

National Aeronautics and
Space Administration

Washington, D.C.
20546

Official Business

Penalty for Private Use, \$300

THIRD-CLASS BULK RATE

Postage and Fees Paid
National Aeronautics and
Space Administration
NASA-451



NASA

POSTMASTER: If Undeliverable (Section 158
Postal Manual) Do Not Return
